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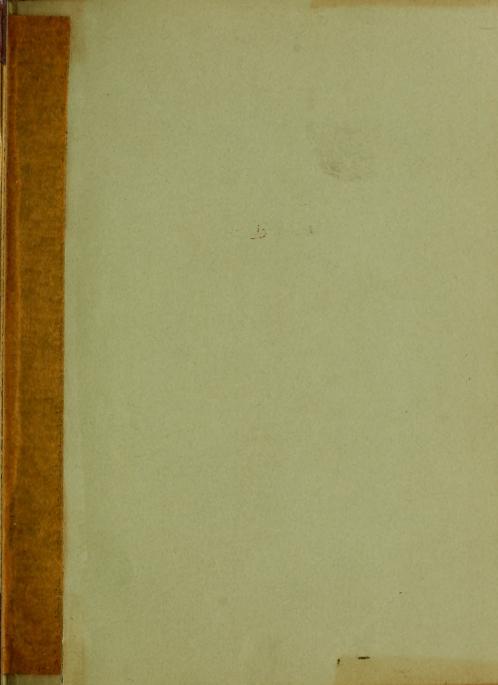
#### HAVERFORD COLLEGE

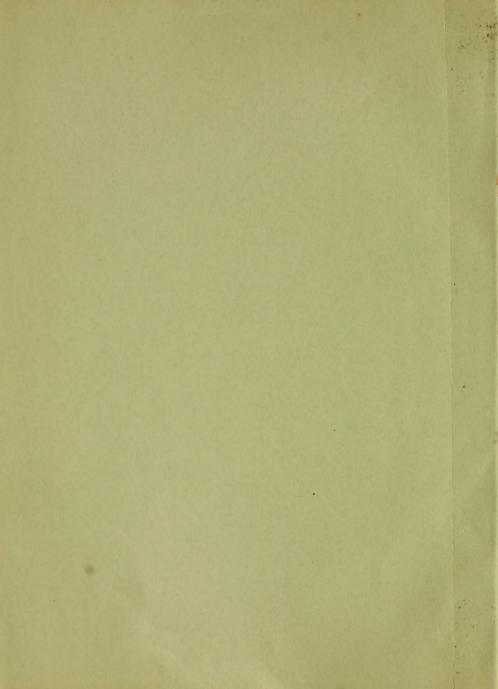
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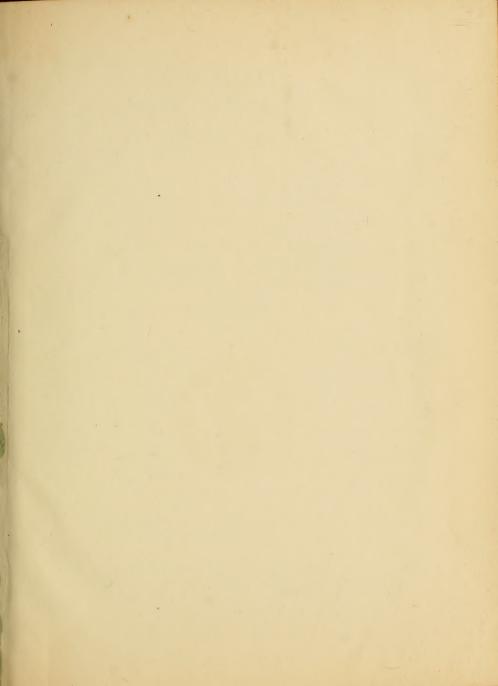
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# HAVERFORD COLLEGE BULLETIN

Vol. III. TENTH MONTH, 1904

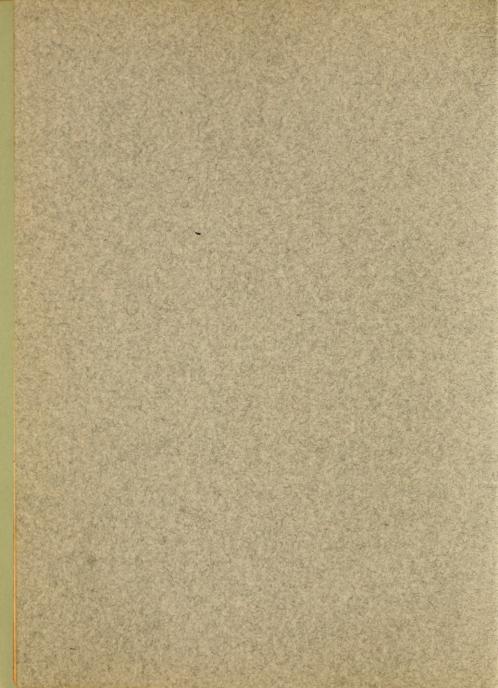
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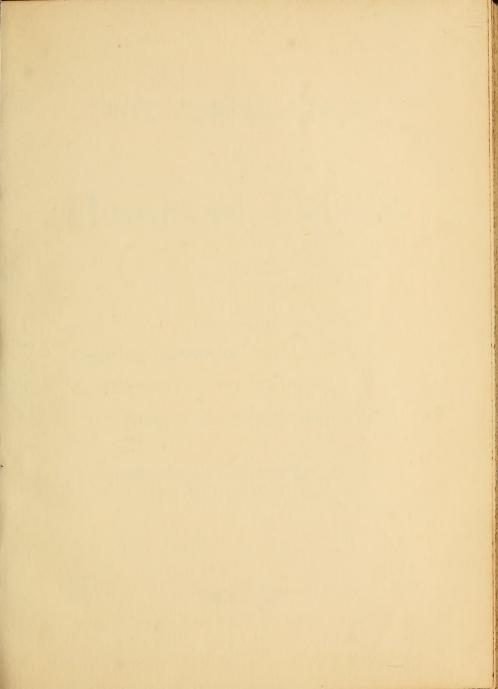
Reports of the Board of Managers, President of the College and Treasurer of the Corporation 1903=1904



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa. as Second Class Matter under Act of Congress of July 16th, 1894







## THE CORPORATION

OF

# Haverford College

#### REPORTS OF

BOARD OF MANAGERS

PRESIDENT OF THE COLLEGE

TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING TENTH MONTH 11th, 1904.

THE RECORD PRINT BRYN MAWR, PA.

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#### CORPORATION

President,
T. WISTAR BROWN,
No. 235 Chestnut Street, Philadelphia

Secretary,
J. STOGDELL STOKES,
1011 Diamond Street, Philadelphia

Treasurer,
ASA S. WING,
409 Chestnut Street, Philadelphia

#### Board of Managers,

T. Wistar Brown,
Philip C. Garrett,
David Scull,
Richard Wood,
Charles Hartshorne,
John B. Garrett,
Edward Bettle, Jr.,
Benjamin H. Shoemaker,
Howard Comfort,
Justus C. Strawbridge,
Asa S. Wing,
Francis Stokes,
James Wood,

ABRAM F. HUSTON,
J. PRESTON THOMAS,
WILLIAM H. HAINES,
WALTER WOOD,
GEORGE VAUX, JR.,
RICHARD M. JONES,
WILLIAM H. JENKS,
FRANCIS A. WHITE,
STEPHEN W. COLLINS,
JONATHAN EVANS,
SAMUEL L. ALLEN,
J. STOGDELL STOKES,
THOMAS F. BRANSON,

FREDERIC H. STRAWBRIDGE.

T. WISTAR BROWN, Chairman, HOWARD COMFORT, Secretary, No. 235 Chestnut Street

No. 529 Arch Street

# STANDING COMMITTEES OF THE BOARD OF MANAGERS

#### Executive Committee,

JOHN B. GARRETT,
DAVID SCULL,
EDWARD BETTLE, JR.,
PHILIP C. GARRETT,
JUSTUS C. STRAWBRIDGE,
HOWARD COMFORT,
ASA S. WING,
RICHARD WOOD,
JAMES WOOD,
J. PRESTON THOMAS.

#### Committee on Finance and Investment,

CHARLES HARTSHORNE, FRANCIS A. WHITE, DAVID SCULL, WILLIAM H. JENKS, JOHN B. GARRETT.

#### Committee on Accounts,

Francis Stokes, George Vaux, Jr., J. Preston Thomas, Jonathan Evans.

#### Library Committee,

RICHARD WOOD, WILLIAM H. JENKS, HOWARD COMFORT, PHILIP C. GARRETT, WALTER WOOD, RICHARD M. JONES,

#### Committee on Farm and Dwellings,

J. Preston Thomas, Abram F. Huston,
David Scull, Frederic H. Strawbridge,
Francis Stokes, Samuel L. Allen.

#### Museum Committee,

George Vaux, Jr., J. Stogdell Stokes, William H. Haines, Stephen W. Collins, Thomas F. Branson.

The chairman of the Board of Managers is ex-officio a member of all standing committees.

#### **FACULTY**

ISAAC SHARPLESS, Sc. D., LL. D., L. H. D., President and Professor of Ethics

ALLEN CLAPP THOMAS, A. M. Librarian and Professor of History

LYMAN BEECHER HALL, Ph. D. John Farnum Professor of Chemistry

LEVI TALBOT EDWARDS, A. M. Professor of Mechanics and Electricity

FRANCIS BARTON GUMMERE, Ph. D. Professor of English and German

ERNEST WILLIAM BROWN, Sc. D., F. R. S. Professor of Mathematics

WILFRED PIRT MUSTARD, PH. D.
Professor of Latin

HENRY SHERRING PRATT, PH. D. David Scull Professor of Biology

JAMES ADDISON BABBITT, A. M., M. D. Physical Director and Associate Professor of Physiology

RUFUS MATTHEW JONES, A. M., LITT. D. Associate Professor of Philosophy

OSCAR MARSHALL CHASE, S. M. Secretary of the College and Instructor in Drawing

ALBERT SIDNEY BOLLES, Ph. D., LL. D.
Lecturer on Commercial Law and Banking

DON CARLOS BARRETT, Ph. D. Dean and Associate Professor of Political Science

ALBERT ELMER HANCOCK, Ph. D. Associate Professor of English and German

LEGH WILBER REID, Ph. D. Associate Professor of Mathematics

WILLIAM WISTAR COMFORT, Ph. D. Associate Professor of Romance Languages

WILLIAM WILSON BAKER, Ph. D.
Associate Professor of Greek

FREDERICK PALMER, JR., A. M. Instructor in Physics and Astronomy

ALFRED COPE GARRETT, Ph. D. Lecturer on Biblical Literature

RALPH WALDO TRUEBLOOD, S. B.
Assistant in the Chemical Laboratory

#### REPORT OF THE BOARD OF MANAGERS

OF

#### THE CORPORATION

OF

#### HAVERFORD COLLEGE

1904

The Board respectfully reports the close of another year of uneventful but satisfactory progress in the life of the College, and the opening of a new term last month with increased attendance.

The details of these events, the changes in our Faculty, the statistics of the Library and other particulars concerning the internal life of the College will be found in the accompanying report of President Sharpless.

Dr. S. K. Gifford

The Board parts with the services of Dr. Seth K. Gifford with sincere regret. As head of our Greek department since 1882 he has earned a reputation for marked scholarship in classical studies. Our best wishes follow him in his new field of usefulness as

Principal of the Moses Brown School, Providence, R. I.

The Board also recorded its appreciation w H Collins of the services of William H. Collins, who, for many years, as Prefect and Director of the Observatory, filled an arduous position with fidelity and success.

Our friend, Lucy Branson Roberts, since Donations the last Reports, has contributed in all the sum of \$3,405.43 for the cost and equipment of Roberts Hall in excess of the \$50,000 originally promised for this purpose. Our obligation for this continued liberality has been increased by the helpful interest of the donor in the erection and furnishing of this memorial hall.

During last vacation we received from Samuel R. Shipley the sum of \$5,000 to establish the Thomas Shipley Fund, the income to be used for Lectures on English Literature. This gift is especially gratifying as it is made by a son who states in his letter of gift that it is given not only to perpetuate the memory of an early contributor to the College, "but because I believe that Haverford College is doing most admirable work in the education of young men."

Thomas Shipley Fund

We also acknowledge the gift of a collection of about nine hundred stuffed birds. valued at about \$1,000, presented in the name of William G. Freedley, Jr.

The \$25,000 referred to in our last report as given to the College by the will of Clementine Cope has since been received and invested as a separate fund, to be known as the "Clementine Cope Endowment Fund."

Final settlement of the legacies of Mary M. Johnson and Sarah Marshall has been made during the year, making the total amount received from the Estate of Mary M. Johnson, including interest on deferred payments, \$8,062.95, and from the Estate of Sarah Marshall \$7,589.49. These amounts have been set aside to found the scholarship funds directed by the respective wills.

Sale of Land

About five and three-quarters acres of land belonging to the Jacob P. Jones Endowment Fund have been sold for \$29,385, net proceeds, thus increasing the incomebearing capital of the Fund by that amount.

Deficiency

Our financial statement shows a net deficiency of \$11,349.05 for the year. A large part of this deficit may be accounted for by the unusual expenses of completing alterations at Merion Cottage, renewal of the expiring fire insurance and some other expenses not likely to recur annually. In so large an institution unexpected outlays are always likely to occur. The debt of the College now amounts to \$110,678.16; we feel that it is a subject that should claim the at-

tention of the incoming Board of Managers. Unless larger funds are placed at our disposal for general expenses, measures should be adopted to bring our outlays more surely within our annual income.

We regret to announce the death of our Death of fellow Manager, Francis White, which oc- Francis White curred on the 11th day of last month. Francis White entered Haverford as a student in 1838, graduated in 1842, and was elected a Manager in 1878, serving until his death. Although his residence in Baltimore prevented him from taking an active part in the management of the College, he was much interested in its welfare and made liberal contributions to promote its work. He was the last survivor of the original Trustees of Johns Hopkins University and was its Treasurer for over twenty-five years. He was prominent in the mercantile and financial circles of his city. where his loss will be keenly felt, both in the Society of Friends and in the various institutions with which he was connected.

[Signed] On behalf of the Board, T. WISTAR BROWN, President. HOWARD COMFORT. Secretary. Philadelphia, Tenth Mo. 10th, 1904.

#### PRESIDENT'S REPORT

To the Board of Managers:

Attendance

The President reports the register of attendance during the last and present years as follows.

			1903-4			
Faculty	Graduates	Seniors	Juniors	Sophom.	Freshmen	Total
20	3	31	29	33	34	150
			1904-5			
Faculty	Graduates	Seniors	Juniors	Sophom.	Freshmen	Total
20	6	35	32	32	40	165
Th	e numb	oer of	student	s for t	hree su	cces-
sive	years 1	has b	een:—19	)02-3,	11 <b>7; 1</b> 9	03-4,
130;	1904-5,	145.				

The new students are seven Seniors, one

Junior, three Sophomores, and thirty-nine Freshmen. Five of the Seniors are graduates of Friends' colleges in the West and South, and the other admissions to advanced standing are from colleges of good repute.

Faculty Changes

Dr. Barrett was absent on leave during the year, but returns to his duties at the opening of the present College year. His work was attended to by Dr. James W. Harry, of Johns Hopkins, and Dr. Carl Kelsey, of the University of Pennsylvania.

Dr. George F. Stradling, of the Manual

Training High School, of Philadelphia, in addition to his work at the school, temporarily performed the duties of Instructor in Physics here, during the past year. As it seems more desirable to employ the entire service of a man in this work, Frederick Palmer, Jr., A. M. (Harvard), has been engaged for the place. He will also have charge of our Astronomical Observatory, with the title of Instructor in Physics and Astronomy.

William H. Collins, A. M., resigned at the close of last year his place as Prefect and Director of the Observatory, duties to which he has given most assiduous and intelligent service. His executive work will be attended to by an engineer and by a lawn foreman, and the department of Astronomy will be merged with that of Physics.

The College also loses the services of Dr. Seth K. Gifford as Professor of Greek. He has accepted the Principalship of the Moses Brown School at Providence, R. I. Dr. Gifford has filled a position here in Greek, Latin or German, since 1882, and since 1888 has had exclusive charge of the Greek department. In recent years his interest has partly turned from Classical to New Testament Greek, but in both lines his attainments are conspicuous and scholarly. His

students who made Greek a specialty will bear willing testimony to his skill and thoroughness as a teacher, and all his associates in the Faculty will ever remember his fidelity to duty, his co-operative spirit, and his strong sense of honor and honesty.

William W. Baker, Ph. D., Instructor in Latin at Harvard, has been appointed to Dr. Gifford's duties, with the title of Associate Professor of Greek.

Alfred C. Garrett, Ph. D. (Harvard), A. B. (Haverford, 1887), has been added to the Faculty to give instruction in the Greek Testament and the English Bible.

At a recent meeting of your Board the position of Dean was re-established and Dr. D. C. Barrett was appointed to fill it. The duties will be of a general executive character, supplementary to those of the President.

Lectures and Public Events

The lectures and other public affairs for the last collegiate year were as follows:

Haverford Library Lectures:

"The Seven Churches of Asia Minor" (illustrated), by Dr. Rufus B. Richardson, late Director of the American School of Classical Studies at Athens.

2nd mo. 5th, 1904.

Three lectures by President William Dewitt Hyde, of Bowdoin College:

"The Epicurean, the Maximum of Pleasure, and the Stoic, Self-control by Law."

3rd mo. 1st, 1904.

"Plato, the Subordination of Lower to Higher, and Aristotle, the Sense of Proportion." 3rd mo. 3rd, 1904.

"The Christian Principle of Love."

3rd mo. 4th, 1904.

Other Lectures:

"Gladstone, Cobden, Balfour and the Political Situation in England," by Ellis Yarnall, A. M. 11th mo. 10th, 1903.

"Some Glacial Phenomena Observed on the Line of the Canadian Pacific Railway" (illustrated), by George Vaux, Jr. Lecture delivered under the auspices of the Scientific Society. 12th mo. 1st, 1903.

"La Renaissance, les Chateaux de la Loire, le Louvre" (illustrated), by M. Andrè Michel, Professor at the Ecole du Louvre and Staff Lecturer of the *Alliance Française* for the current year. Lecture delivered under the auspices of the French Department.

"The Mediæval Legend of Virgil," by Dr. Kirby Flower Smith, Professor of Latin in the Johns Hopkins University. Lecture delivered under the auspices of the Classical Department. 1st mo. 8th, 1904.

"A Trip in the Forest Reserves of California and Washington" (illustrated), by

Alden Sampson, A. M., United States Game Preserve Expert. 4th mo. 12th, 1904.

Other Public Events:

Organization of a local branch of the Alliance Française. 4th mo. 1st, 1904.

Sixth annual debate between the Philomathean Society of the University of Pennsylvania and the Loganian Society of Haverford College. Question for discussion: "Resolved, That the United States should take the lead in forming a Coalition of World Powers to demand that Japan and Russia settle their differences in the Far East at the Hague Tribunal."

4th mo. 8th, 1904.

Annual contest in extemporaneous speaking, between the Sophomore and Freshmen classes, for the Everett Society Medal.

5th mo. 4th, 1904.

Junior Class Day. 5th mo. 6th, 1904.

Annual contest in oratory, between the Senior and Junior classes, for the Alumni Prize.

5th mo. 17th, 1904.

Senior Class Day. 6th mo. 9th, 1904.

Commencement Day. Commencement exercises, with address to the graduating class by Barrett Wendell, Professor of English in Harvard University. Union meeting of Alumni, with informal program. Alumni business meeting. Phi Beta Kappa oration by George Herbert Palmer, Litt. D., LL. D.,

Professor of Moral Philosophy in Harvard 6th mo. 10th, 1904. University.

Improvements

The material improvements have not been Material as conspicuous as during recent preceding vears. We have completed the ducts carrying heat and light to the buildings of our main group. We have completed the adaptation of Merion Cottage to the uses of a hall of residence for our students and it has been occupied to great satisfaction. Thanks to the continued liberality of Lucy B. Roberts, we have completed Roberts Hall and the list of lectures and other events mentioned above attests its usefulness to the College. We have introduced water for fire purposes from the pipes, on Railroad Avenue, of the Springfield Water Company. The large additions to our buildings in recent years make the matter of ordinary repairs a serious one, and much money has been expended in this way.

The work of the Campus Club, mentioned a year ago, has proceeded with vigor during the present summer. The Mary Newlin Smith Memorial Garden has been laid out. Some old trees have been removed and many others have been trimmed. When the proper season arrives, much planting will be done.

An immediate and pressing need of the College is a new building for dining hall

and kitchen. This could be placed between Founders and Lloyd Halls, involving the destruction of the present Senior dining room. Our present rooms are uncomfortably crowded, producing conditions of almost unavoidable noise and disorder, while the kitchen is better suited to the year 1833, when it was first used, than to present demands. A building thus located could conform to the architecture of Founders Hall, and need not be expensive. The interior, however, should satisfy the most rigorous standards of modern culinary and hygienic science. Our environment makes the boarding of our students by the College almost a necessity, and the best of conditions will be both creditable and economical.

Library

During the year ending Ninth month 17th, 1904, there were added to the Library 1873 volumes, of which 624 were bought, 621 were gifts, 3 were exchanged for duplicates, 275 came from the Government as a United States Depository, and 350 were periodicals, pamphlets and books bound. The total number of books in the Library at the above date was 43,513.

During the year, 6569 volumes were withdrawn for use outside the building. Of this number, 2,888 were withdrawn by students, 2,021 by members of the Faculty, 624 by residents of the College grounds and the

neighborhood. For use over night, 1,036 volumes were taken from the Library.

The Library is again under obligations for valuable aid. An anonymous friend of the College gave \$500, half of which was applied to the purchase of works of standard literature and reference books, and half to binding. William H. Jenks contributed toward the purchase of books on Pennsylvania History, and T. Wistar Brown, William H. Jenks, and Howard Comfort, towards the completion of a set of "Romania". The members of the Class of 1000 have added on volumes to the collection of standard English fiction. Gifts of fifty dollars each for the Library have been gratefully received from Mary H. Coates and Sarah H. Coates. Besides these special gifts, others, as stated in the appendix, have been presented.

The Charles Roberts collection of autograph letters in Roberts Hall has been partly catalogued by our Librarian and the work will proceed during the coming year.

The new Clementine Cope Fund for Fellowships Fellowships will yield an income of about \$1100. Of this, \$500 will be applied, as heretofore, to the maintenance of a Fellowship at a standard university, to be given to the best student of the Senior class. The balance will be divided into two fellowships

of \$300 each, which will be construed to cover the expenses of board and tuition at Haverford College. These will be known as Teaching Fellowships, and will involve certain duties in the way of instruction or management at the College. The recipients will be selected with reference to scholarship, and also to their ability to perform these duties.

Thomas Shipley Fund The gift of Samuel R. Shipley, of Philadelphia, of the sum of \$5,000, to found the Thomas Shipley Fund, "the income of which is to be used for lectures on English Literature," unless actually needed for general expenditures, will add an interesting and profitable feature to our College exercises. The donor says, "My father was one of the early contributors to the college, and I make this gift not only to perpetuate his memory in connection with it, but because I believe that Haverford College is doing most admirable work in the education of young men."

Policy of the College

The increase of attendance during the last two years has not been consequent upon, or coincident with, any lowering of standards. At least equal stringency in entrance examinations has been maintained, and no new opportunities for wasting time after admission have been granted. The fact that we are securing a reputation

for work, and the spread of the knowledge of the intellectual equipment of our Faculty, have drawn to us scholarly young men from the schools, while, on the other hand, those whose main object is to do the least work possible, do not feel especially attracted to Haverford. Hence the average seriousness of our students in procuring an education has, it seems to me, increased of late years.

Somewhat the same differentiation is going on in matters of conduct. Young men who would be sickened by surroundings of thinly disguised immorality, feel that they have with us a congenial atmosphere, and those who desire license to live a fast life are repelled. Both, therefore, intellectually and morally, we are reaping the fruits of our years of devotion to good standards and sound principles. The appreciation of the public has been slowly earned, and still more slowly is it crystallizing into patronage; but a consistent adherence to past traditions will have its reward, probably in larger numbers, certainly in a continually improving quality of yearly products.

Members of the Faculty have often discussed the question whether more easy conditions of admission, the substitution of certificates for examinations, lower demands upon work and conduct during the course, a larger number of cheaper professors

and less expensive accommodations, might not be adopted as the policy of the College, with the effect of producing a decided growth in numbers. After a full investigation, they have been brought face to face with the facts that a large proportion of our students are able to pay for the best to be offered in the way of college education, and that if our Faculty is not, man for man, equal to those of our old universities, and our arrangements adequate and comfortable, we shall not be able to retain this class. Hence they do not feel tempted to make this sort of bid for students, and are satisfied always to consider growth secondary to educational and moral quality. It thus results, as I have pointed out in a previous report, that the expense of teaching at Haverford per student is greater than in any other college in the country, and is likely to remain so. If, however, the policy will draw to us young men of scholarship and purpose in increasing numbers, as we think is beginning to be manifested, it will receive its justification.

Respectfully,
ISAAC SHARPLESS, *President*.
College,

Haverford College, Tenth Mo. 10th, 1904.

#### PUBLICATIONS OF THE FACULTY

#### 1903-1904

Babbitt, James A.—Athletic Annual, Haverford College Bulletin No. 4, Sixth month, 1904.

Bolles, Albert S.—The Duty and Liability of Bank Directors. Yale Law Journal, March, 1903. The Law Relating to Deposits Received by Insol-

vent Banks. American Law Register, July, 1904.

Brown, Ernest W.—On the Smaller Perturbations of the Lunar Arguments. Transactions of the American Mathematical Society; July, 1904.

On the degree of accuracy of the New Lunar Theory and on the final values of the Mean Motions of the Perigee and Node. The Parallactic Inequality and the Solar Parallax. Monthly Notices of the Royal Astronomical Society, April, 1904.

Article, Moon. Encyclopaedia Americana.

The Laws of Gravitation. Haverford College Bulletin, Fourth month, 1904.

Obituary notice of George Gabriel Stokes. Physical Review, January, 1904.

Reviews of Green's Mathematical Papers, Clerke's Problems in Astrophysics, Annuaire pour l'An 1904, Tamborrel's Tables de Multiplicar. Bulletin of the American Mathematical Society, January, April and July, 1904.

Comfort, William W.—La Vida es Sueño, by D. Pedro Calderón de la Barca, edited with notes and vocabulary, New York, 1904.

The essential difference between a 'chanson de geste' and a 'roman d'aventure'. Publications of the Modern Language Association, Vol XIX, No. 1.

Review of Moratín's *El sí de las niñas*, edited by Geddes and Josselyn. Modern Language Notes, November, 1904.

- Gummere, Francis B.—Primitive Poetry and the Ballad, Parts II and III. Modern Philology, University of Chicago Press, 1904.
- HANCOCK, ALBERT E.—Occasional essays and reviews in The Booklover's Magazine and in The Outlook.
- Jones, Rufus M.—George Fox, an Autobiography with Introduction and Notes. 2 vols. Ferris and Leach, Philadelphia.

Also a Student's Edition, 1 vol.

Mustard, Wilfred P.—Report of Rheinisches Museum für Philologie, vol. LVIII. American Journal of Philology, vol. XXV.

Classical Echoes in Tennyson. 176 pp. The Macmillan Company, New York and London, 1904.

Pratt, Henry S.—Trematode Parasites of American Frogs. Report of the Annual Meeting of the Society of American Zoologists held in Philadelphia, December 29th, 1903. The American Naturalist, Vol. XXXVIII, July, 1904, p. 520.

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1903, to Eighth mo. 31st, 1904

#### RECEIPTS.

Income from investments:		
General Endowment Fund,\$4,899	33	
Thomas P. Cope Fund, 413	55	
Edward Yarnall Fund, 268	99	
Alumni Library Fund, 666	58	
Isaiah V. Williamson Fund, 941	11	
John Farnum Memorial Fund, 1,810	12	
	30	
Richard T. Jones Scholarship Fund, 225	00	
David Scull Fund, 2,053	74	
Edward L. Scull Fund, 610	92	
New Library Fund, 272	63	
Wistar Morris Memorial Fund, 245	00	
Mary Farnum Brown Library Fund, 1,374	81	
Mary M. Johnson Scholarship Fund, 201	58	
Sarah Marshall Scholarship Fund, 226	21	
Israel Franklin Whitall Fund, 559	72	
Jacob P. Jones Endowment Fund, 22,005	71	
Clementine Cope Fellowship Fund, 1,128	78	
John Farnum Brown Fund for Bible		
Study, &c., 4,443	94	
Ellen Waln Fund, 478	60	
Clementine Cope Endowment Fund, 607	60	
	\$43,962	22
Board and Tuition, cash,\$41,669	36	
" scholarships, 12,675	00	
	\$54,344	36
Carried forward	\$98,306	58

Amount brought forward, \$98,306 58
Board of professors, 862 67
Rents, 3,151 00
Farm, 567 77
Stationery, 343 24
Income credited to Contingent Account, 265 44
Receipts for Account of Previous Years, 919 72
Legacies:—Clementine Cope—in full, \$25,000 00
Mary M. Johnson—final settlement, 3,688 95
Sarah Marshall—final settlement, 2,589 49 31,278 44
Donations;—For Roberts Hall,\$8,557 71
For foundation of Thomas Shipley Fund 5,000 00
For Electrical Apparatus, 924 00
For Salaries, 500 00
For Preparatory School Advertisements, 227 00
For Mathematical Magazine, 100 00
For Gymnasium 115 00
For Prizes, etc, 358 46 15,782 17
Money borrowed temporarily,
Fire Insurance on Baltimore property, 2,000 00
Proceeds of land sold, less municipal charges, 29,385 00
Investments—General Endowment Fund, \$17,887 50
" —Edward Yarnall Fund, 1,500 00
"—Alumni Library Fund, 3,200 00
" —Isaiah V. Williamson Fund, 1,600 00
" —John M. Whitall Fund, 4,000 00
" —Edward L. Scull Fund, 1,000 00
" —Mary Farnum Brown Library
Fund,
" —Jacob P. Jones Endowment
Fund, 11,100 00
\$46,287 50
Balance on hand Eighth Month 31st, 1903.
In the hands of the President, 985 62
In the hands of the Treasurer, 766 26
\$1,751 88

#### PAYMENTS.

G 1 '	040 505	00
Salaries,	\$42,595	
Provisions,	16,520	
Wages,	7,615	
Repairs and Improvements,	5,305	
Fuel and lights,	5,829	
Interest,	4,123	
Family expenses and furniture,	2,900	
Lawn and garden,	1,837	
Taxes,	945	
Incidentals,	1,001	
Scientific equipment,	619	39
Gymnasium and athletics,	588	87
Printing and Advertising,	978	94
Insurance,	3,561	36
Books, etc., from income Alumni Library Fund,	518	09
Books, etc., from income New Library Fund,	210	00
Books, etc., from income Mary Farnum Brown		
Library Fund,	923	54
Lectures from income Mary Farnum Brown Lib.		
Fund,	500	00
Clementine Cope Fellowship Fund Annuity,	500	00
Alterations, etc., Merion Cottage,	3,733	42
Scholarships—Income General Endowment		
Fund,\$1,500 00		•
" —Income Thomas P. Cope Fund, 200 00		
" —Income Edward Yarnall Fund, 200 00		
" -Income Isaiah V. Williamson		
Fund, 900 00		
" —Income Richard T. Jones		
Scholarship Fund, 225 00		
" —Income Jacob P. Jones		
Endowment Fund, 9,250 00		
"Income Mary M. Johnson		
Scholarship Fund, 200 00		

Amount carried forward, ........\$12,475 00 \$100,808 76

Amount brought forward, \$12,475 00 \$100,808 76 Scholarships—Income Sarah Marshall
Scholarship Fund, 200 00
\$12,675 00
Paid out of special donations:
For Roberts Hall,\$11,336 47
For Salaries, 1,000 00
For Electrical Apparatus, 1,189 00
For Prizes, etc.,
\$13,932 95
Paid temporarily on account of Loans using Funds
awaiting reinvestment, 68,100 00
Investments:
General Endowment Fund,\$33,203 90
Alumni Library Fund, 2,500 00
Isaiah V. Williamson Fund, 978 33
John M. Whitall Fund, 3,966 11
David Scull Fund, 6,525 00
Edward L. Seull Fund,
New Library Fund, 731 25
Mary Farnum Brown Library Fund, 8,966 11
Mary M. Johnson Scholarship Fund, 4,792 95
Sarah Marshall Scholarship Fund, 1,943 30
Israel Franklin Whitall Fund, 730 25
Jacob P. Jones Endowment Fund, 31,607 50
John Farnum Brown Fund for Bible
Study, etc., 841 56
Clementine Cope Endowment Fund, 24,891 25
Thomas Shipley Fund, 4,775 00 127,915 01
Balance on hand Eighth month 31st, 1904:
In hands of the President, 694 29
In the hands of the Treasurer, 8,975 40 9,669 69

\$333,101 41

# FINANCIAL STATEMENT

PHINAINCIAL STATEMENT		
For the Year Ending 8th Mo. 31st, 1904.		
Expenses of running the College, as per Treasurer's		
Statement,\$100,8	08	76
Receipts for Board and Tuition, Rents, Farm and		
from all other sources connected with the		
business of the College, 46,5	94	04
Leaving a deficiency of	1.4	7.0
Income Invested from Funds applicable to	LI	
Scholarships and running expenses, 42,7	75	67
Scholarships and running expenses, 42,7	10	01
Leaving net deficiency for the year \$11,4	39	05
THOMAS P. COPE FUND.		
Founded 1842.		
Par value of Invested Funds,	nn	00
Principal uninvested,		
Timespat uninvested,	10	0.3
Total Fund,\$5,3	10	04
Income on hand at beginning of year,\$250 40		
Income received during the year, 413 55		
		95
Paid for the Thomas P. Cope Scholarship, 2	00	00
<del></del>		
Balance on hand at end of the year, \$4	63	95
GENERAL ENDOWMENT FUND.		
Established 1847 and Increased From Time to Time Si		
Par value of Invested Funds,\$93,1		
Principal uninvested,	32	20
Total Fund,\$100,8		
Income received during the year, 4,8	99	33
Paid for Scholarships,\$1,500 00		
Paid for General College Expenses, 3,399 33		
<del></del>	99	33

#### EDWARD YARNALL FUND. Founded 1860. Principal uninvested, ...... 1,581 24 Total Fund, ......\$6,081 24 Income on hand at beginning of year, .....\$104 18 Income received during year, ...... 268 99 373 17 Paid for the Edward Yarnall Scholarships, ...... 200 00 Income on hand at end of year, ...... \$173 17 ALUMNI LIBRARY FUND. Established by the Alumni Association, 1863. Principal uninvested, ...... 1,267 09 Income on hand at beginning of year, ..... \$ 82 83 Income received during the year, ......... 666 58 749 41 Paid for Books, etc., ..... 518 09 231 32 Income on hand at end of year, ...... ISAIAH V. WILLIAMSON FUND. Founded 1876 and Increased 1883. Par value of invested Funds, .....\$20,266 66 Principal uninvested, ..... 424 04 Total fund, .....\$20.690 70 Income on hand at beginning of year, .....\$280 98 Income received during the year, ...... 941 11 1.222 09 Paid for I. V. Williamson Scholarships, ...... 900 00 Income on hand at end of year, ...... 322 09

JOHN FARNUM MEMORIAL FUND. Established 1878, Increased by Legacy of Elizabeth H. Farnu in 1899.	ım
Par value of Invested Funds,\$40,000 Principal uninvested,	
Total fund,	12
JOHN M. WHITALL FUND. Founded in 1880.	
Par value of Invested Funds,\$10,000 Principal uninvested,	
Total fund, \$10,033 Income received during the year, 528 Appropriated for salaries, 528	30
EDWARD L. SCULL LEGACY. Received in 1885.	
Par value of Invested Funds,\$12,100 Principal uninvested,	
Total fund,	92
DAVID SCULL FUND. Founded 1885.	
Par value of Invested Funds,\$45,500 Principal uninvested,	
Total fund, \$45,929 Income received during the year, 2,053 Paid toward salaries, etc., 2,053	74

# RICHARD T. JONES SCHOLARSHIP FUND. Founded by Will of Jacob P. Jones, 1885. Par value of the Fund, all invested, ......\$5,000 00 Income received during the year, ..... 225 00Paid for Richard T. Jones Scholarship, ..... 225 00 NEW LIBRARY FUND. Founded 1802. Par value of Invested Funds, ......\$6,500 00 Amount uninvested, ..... 25 18 Total fund, ......\$6,525 18 Income on hand at beginning of the year, .. \$111 21 Income on hand at end of the year, ......\$173 84 WISTAR MORRIS MEMORIAL FUND. Founded 1892. Par value of Fund, all invested, ......\$5,000 00 MARY FARNUM BROWN LIBRARY FUND. Founded 1802. Par value of Invested Funds, ......\$32,500 00 Amount uninvested, ..... 718 38 Total fund, .....\$33,218 38 Income received during the year, ..... \$1,374 81 Income overdrawn at end of year, ..... 50 44 **\$1.425** 25 Income overdrawn at beginning of the year, \$ 171 Income appropriated for books, etc., ...... 923 54

1.425 25

Income appropriated for lectures, ...... 500 00

# ISRAEL FRANKLIN WHITALL FUND.

# Founded 1896.

Par value of Funds, all invested,	\$12,000	00
Income received during the year,	. 559	72
Appropriated for salaries,		72
MARY M. JOHNSON SCHOLARSHIP FUNI		
Founded 1897.		
	<b>#0.000</b>	00
Par value of Invested Funds,		
Amount uninvested,	210	00
Total fund,	\$8270	00
Income on hand at beginning of year, 2 83	.φο=10	00
Income received during the year, 201 58		
	204	41
Paid for Mary M. Johnson Scholarship,	200	
		_
Income on hand at end of year,	. 4	41
SARAH MARSHALL SCHOLARSHIP FUN	D.	
Founded 1897.		
Par value Invested Funds,	<b>\$7,000</b>	00
Amount uninvested,		
Amount uninvested,	. 010	10
Total fund,	.\$7.646	19
Income on hand at beginning of the year,\$140 25	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Income received during the year, 226 21		
· · ·	366	46
Paid for Sarah Marshall Scholarship,	200	00
-		—
Income on hand at end of the year,	166	46
JACOB P. JONES ENDOWMENT FUND.		
Founded 1897.		
Par value of Invested Funds,\$	467,875	00
Amount uninvested,		
-		_
Total fund,\$	504.909	49

Income received during the year\$22,005 71
Appropriated for scholarships, \$ 9,250 00
Appropriated for general expenses, 12,755 71 ————————————————————————————————————
CLEMENTINE COPE FELLOWSHIP FUND.
Founded 1899.
Par value of Invested Funds,\$24,400 00
Amount uninvested,
Total fund,\$25,041 00
Income on hand at beginning of the year, \$ 563 78
Income received during the year, 1,128 78
——————————————————————————————————————
Paid for Fellowship, 500 00
Income on hand at end of year,
JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND
RELIGIOUS TEACHING.
Founded 1900 and Increased Later.
Founded 1900 and Increased Later. Par value of Invested Funds,\$113,000 00
Founded 1900 and Increased Later.
Founded 1900 and Increased Later. Par value of Invested Funds,\$113,000 00
Founded 1900 and Increased Later.  Par value of Invested Funds,\$113,000 00  Amount uninvested,43 94
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00  Amount uninvested, 43 94  Total fund, \$113,043 94  Income received during the year, 4,443 94  Income appropriated for salaries, etc., \$4,400 00
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00  Amount uninvested, 43 94  Total fund, \$113,043 94  Income received during the year, 4,443 94  Income appropriated for salaries, etc., \$4,400 00  Income transferred to principal, 43 94
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00  Amount uninvested, 43 94  Total fund, \$113,043 94  Income received during the year, 4,443 94  Income appropriated for salaries, etc., \$4,400 00
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00  Amount uninvested, 43 94  Total fund, \$113,043 94  Income received during the year, 4,443 94  Income appropriated for salaries, etc., \$4,400 00  Income transferred to principal, 43 94
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00  Amount uninvested, 43 94  Total fund, \$113,043 94  Income received during the year, 4,443 94  Income appropriated for salaries, etc., \$4,400 00  Income transferred to principal, 43 94  ELLEN WALN FUND.
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00 Amount uninvested, 43 94  Total fund, \$113,043 94 Income received during the year, 4,443 94 Income appropriated for salaries, etc., \$4,400 00 Income transferred to principal, 43 94  ELLEN WALN FUND. Founded 1900.
Founded 1900 and Increased Later.  Par value of Invested Funds, \$113,000 00 Amount uninvested, 43 94  Total fund, \$113,043 94 Income received during the year, 4,443 94 Income appropriated for salaries, etc., \$4,400 00 Income transferred to principal, 43 94  ELLEN WALN FUND.  Founded 1900.  Par value of Invested Funds, \$10,000 00 Amount uninvested, 205 00
Founded 1900 and Increased Later.  Par value of Invested Funds,

# CLEMENTINE COPE ENDOWMENT FUND. Founded 1904.

rounded 1904.	
Par value of Invested Funds,\$31,000	00
Amount uninvested, 108	75
<del></del>	
Total fund,\$31,108	75
Income received during the year,\$607	60
Income appropriated for general expenses, 607	60
THOMAS SHIPLEY FUND.	
Founded 1904.	
Par value of Invested Funds, \$5,000	00
Amount uninvested,	
Total fund,\$5,225	00
SUMMARY OF THE FUNDS.	
General Endowment Fund,\$100,832	20
Thomas P. Cope Fund,	
Edward Yarnall Fund, 6,081	
Alumni Library Fund,	
Isaiah V. Williamson Fund,	
John Farnum Memorial Fund,	
John M. Whitall Fund,	
Richard T. Jones Scholarship Fund, 5,000	
David Scull Fund,	
Edward L. Scull Fund,	
New Library Fund, 6,525	
Wistar Morris Memorial Fund, 5,000	
Mary Farnum Brown Library Fund,	
Mary M. Johnson Scholarship Fund, 8,270	
Sarah Marshall Scholarship Fund,	
Israel Franklin Whitall Fund,	
Jacob P. Jones Endowment Fund, 504,909	
Clementine Cope Fellowship Fund, 25,041	
John Farnum Brown Fund for Bible Study, etc., 113,043	
Ellen Waln Fund, 10,205	

	Clementine Cope Endowment Fund,		
	Total par value,\$1,	019,758	89
٩	Being \$92,740.31 more than reported one year ago as	follows	3:
	Sale of real estate for Jacob P. Jones Endowment		
	Fund, less municipal charges,	\$29,385	00
	Clementine Cope Legacy,	25,000	90
	From variation from par value in securities, bought		
	and sold,	18,317	49
	125 shares Westmoreland Coal Co. received,	6,250	00
	Gift from Samuel R. Shipley to found Thomas		
	Shipley Fund,	5,000	00
	Final settlement of Mary M. Johnson Legacy,	3,688	95
	Final Settlement of Sarah Marshall Legacy,	2,589	49
	Insurance on Baltimore property destroyed by fire,	2,000	00
	Income credited to Principal for Contingent account,	265	44
	Real estate sold above Book Value,	200	00
	Income John Farnum Brown Fund,	43	94
	Total increase as above,	\$92,740	31
	SPECIAL FUND.		
	This fund is made up of money donated for special	l purpos	ses
	and now awaiting application thereto, as follows:		
	Salaries,		00
	Preparatory School Advertisements,	. 177	00
	Electrical Apparatus,	. 100	00
	Physical Laboratory,	. 103	35
	Prizes, etc.,		91
		\$1,703	26

We have examined the accounts of the Treasurer of The Corporation of Haverford College for the year ending Eighth Month, 31st, 1904, of which the foregoing is a summary. We

have compared his statement with the vouchers therefor, and find the same correct,. There was a cash balance in his hands on that date of \$8,875 40, exclusive of \$694.29 in the hands of the President of the College.

 $\left\{ Signed \right\} \hspace{1cm} Francis \ Stokes \\ Walter \ Wood$ 

PHILADELPHIA, TENTH Mo. 6th, 1904.

Auditing Committee.

We have examined the securities belonging to The Corporation of Haverford College, and find them to agree with the foregoing statement of the Treasurer.

 $\left\{ \operatorname{Signed} \right\}$ 

SAMUEL L. ALLEN

WM. H. HAINES

PHILADELPHIA, NINTH Mo. 30th, 1904.

Auditing Committee.

# LIST OF GIFTS TO THE LIBRARY

# of HAVERFORD COLLEGE

# 1903-1904

U. S. Government	275
A Friend of the College	
Class of 1900	
Dr. R. B. Warder	
Richard Wood	70
Mrs. S. W. Rhoads	61
Theodore H. Morris	5
Dr. E. W. Brown	
University of Pennsylvania	
Smithsonian Institution	
John Weaver, Mayor of Philadelphia	3
William H. Jenks	
Macmillan Co	
W. P. Bonbright	2
Dr. R. M. Jones	2
Sec. Kansas State Hist. Soc	
Potsdam Observatory	2
Comptroller of New York	2
Joshua L. Baily	2
Dr. H. S. Pratt, D. L. Burgess, Dr. F. B. Gummere, Dr.	R. M.
Strong, Dr. S. K. Gifford, National Sound Money League,	H. G.
Hoskier, Phillips Exeter Academy, Mrs. E. D. Cope, Mrs.	L. D.
Rudy, Pennsylvania Bar Association, George Vaux, Dr. A. S. I	Bolles,
W. I. Fleming, Mrs. Fairman Rogers, Jewish Publication Se	ociety,
Lucy B. Roberts, J. W. Clark, Pennsylvania Board of Public	Chari-
ties and others, one volume each, besides numerous pamphlets.	

# DONATIONS OF MONEY DURING THE YEAR ENDING 8TH MO., 31ST, 1904

Samuel L. Allen	250 00
Anonymous	27 00
J. Stuart Brown	25 00
T. Wistar Brown	500 00
Joel Cadbury	20 00
Class of 1898	10 00
William M. Coates	25 00
Arthur F. Coca	15 00
George L. Crosman	25 00
John B. Garrett	60 00
Philip C. Garrett	50 00
Edward Y. Hartshorne	10 95
William H. Jenks	50 00
Franklin B. Kirkbride	72 80
Horace G. Lippincott	20 00
Paul D. I. Maier	20 00
George Gluyas Mercer	10 95
Morris & Vaux	96 46
Marriott C. Morris	2 00
Theodore H. Morris	10 00
William H. Morris	10 00
Barker Newhall	4 35
J. Whitall Nicholson	20 00
John M. Okie	5 00
Estate of Charles Roberts	10 95
G. Brinton Roberts	20 00
Lucy B. Roberts	8,557 71
Samuel R. Shipley	5,000 00
William P. Simpson	500 00
William Graham Tyler	10 00
Edward B. Taylor	45 00
William S. Vaux, Jr	5 00
Westinghouse Electric Manufacturing Co	174 00
Asa S. Wing	25 00
George Wood	45 00
Stuart Wood	50 00

# ANNUAL ALUMNI PRIZE CONTEST IN ORATORY, 1904

#### FIFTH MONTH, 11TH

"NAPOLEON'S RUSSIAN CAMPAIGN," . George Kingman Helbert, '04
"LIBERTY AND LUXURY," John Charles, '04
"THE DEBT OF CULTURE," Chester Jacob Teller, '05
"THE SIGNIFICANCE OF TOLSTOI," Sydney Morris Boher, '05
"THE PROBLEM IN THE FAR EAST," Bernard Lester, '04
"THE RENASCENCE OF FEUDALISM," Harold William Jones, '05

# EIGHTH ANNUAL EVERETT MEDAL ORATORICAL CONTEST, 1904

# Extemporaneous Speaking

### FIFTH MONTH, 4TH

"THE CHIVALRY OF JAPAN" Elliott Bartram Richards, '06
"INERTIA AND SOCIAL PROGRESS" James Carey Thomas, '07
"John Randolph of Roanoke" Warren Koons Miller, '06
"The Influence of Manifest Destiny" Ira Jacob Dodge, '07
"GIFTS OF AMERICA TO THE WORLD"
Thomas Kite Brown, Jr., '06
"THE CHARACTER OF GENERAL GRANT"
William Stauffer Eldridge, '07
"THE JESUITS IN AMERICA" Raphael Johnson Shortlidge, '06
0,,

#### EXERCISES OF COMMENCEMENT WEEK, 1904

SECOND-DAY, SIXTH MONTH, 6th

9 A. M. Entrance Examination of Freshmen.

THIRD-DAY, SIXTH MONTH, 7th

9 A. M. Entrance Examination of Freshmen.

FOURTH-DAY, SIXTH MONTH, 8th

9 A. M. Entrance Examination of Freshmen.

FIFTH-DAY, SIXTH MONTH, 9th-SENIOR DAY

Exercises of Senior Class Day in the afternoon and evening.

(Attendance by invitation of the Class.)

SIXTH-DAY, SIXTH MONTH, 10th-COMMENCEMENT DAY

- 11.00 A. M. Commencement Exercises in Roberts Hall.
  - I Introductory by President Sharpless.
  - 2 Announcement of prizes and honors.
  - 3 Conferring of degrees.
  - 4 Address to the graduating class by Barrett Wendell, Professor of English in Harvard University.
- 1.30 P. M. Union meeting of Alumni, with informal program.
- 2.00 P. M. Cricket match, Alumni vs. College, on Cope Field.
- 3.00 P. M. Baseball game, Alumni vs. College on Walton Field.
- 5.30 P. M. Alumni Business Meeting.
- 7.00 P. M. Alumni Supper.
- 8.00 P. M. Oration by George Herbert Palmer, Professor of Moral Philosophy in Harvard University, before the Phi Beta Kappa Society.

### SCHEDULE OF RECITATIONS, 1903-1904

SECOND DAY. 8.30 9.30 Bib. Lit. II Bib. Lit. IV 10.30 11.30 1.30 3.00 German IV Chemistry. Phil. VII & VIII Biol. VIII Bib. Lit. VI Gov. II Engin. I Chem. IV Bib. Lit. II Hist. IV Latin III Bib. Lit. IV Math. XII Greek III Eng. III German I Biol. III Math. VII Physics VII-Bib. Lit. II Greek II French V Bib. Lit. IV French III Latin II Engin, III-French II English II Bib. Lit. IV Greek I History I THIRD DAY 8.30 8.30 9.30 Econ. II & III Phil. X 10.30 11.30 English V Greek IV Beg. Greek English XII Econ. V & VI Geol. I –Biol. Lab. III-Biology X
-Engin, III-Phil. VI Econ. I Math. VI French I History III Chem. I Spanish I Soph. Chem. Lab. -Physics I Latin II Biol. II Math. II German V French II Math. I Latin I German II Greek I FOURTH DAY 9.30 Phil. IX 3.00 Phil. VII & VIII Biol. VIII 10.30 German IV 2.00 1.30 Eng. VIII Bib. Lit. VI Latin IV Engin. I Chemistry-Chem. IV Latin III Geology 1 History IV Math. XII Greek III Eng. III Math. IV Math. VII Math. III German I Engin. IV-Phys. VI French V Greek II French III Engin. III-Math, II French II Physics I Greek I Math. I English I Latin I FIFTH DAY Eng. VIII 10.30 9.30 Phil. IX 11.30 1.30 -Engin. IV--Beg. Greek Greek III Latin IV -Biol. Lab. III--Latin III Math. VI Math. IV Meeting English X Math. III -Engin. III---Hist. III Phys. VI German I Greek II Spanish I French III Math. II -Soph. Chem. Lab.-German V English I German II Math. I Latin I SIXTH DAY Greek IV Econ, V & VI Geol, I 8.30 2.00 3.00 9 30 Phil. X Econ. II & English VI English XII Beg. Greek Chemistry-Phil, VI Econ. I Biology X Math. VI Engin, III-French I History III Soph. Biol. Lab.-Chem. I Spanish I Latin II Biol, II Math. II Physics I German V French II Latin I Math. I German II Greek I SEVENTH DAY 8.30 0.20

Math. XII	3-3-
Greek IV	Latin IV
French I	Math. IV
Phys. VII	Math. III
Soph.	Phys. Lab
Soph.	Biol. Lab
German II	History

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth, and Eleventh months.

#### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

#### FORM OF LEGACY.







# HAVERFORD COLLEGE BULLETIN

Vol. III.

First Month, 1905

No. 2

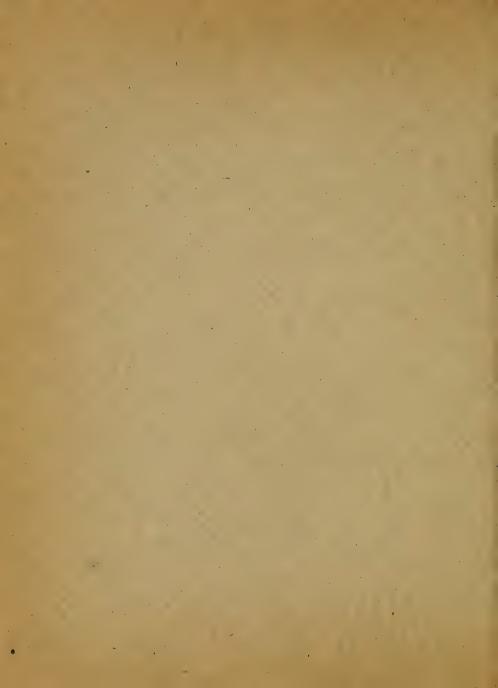
# Catalogue

1904-1905



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



# **CATALOGUE**

OF

# Haverford College

1904-1905



HAVERFORD, PA.

Press of
The Inlin C. Winston Co.
WINSTON BUILDING
1006-1016 Arch Street
Philadelphia

### **CALENDAR**

#### 1904-1905.

College Year 1904–1905 began9th Mo. 28
Winter Recess begins
Winter Term begins,* 19051st Mo. 9
Second Half-year begins
Spring Recess begins4th Mo. 15
Spring Term begins*4th Mo. 24
Senior Class Day6th Mo. 15
Commencement and Alumni Day, 19056th Mo. 16
Examinations for Admission
1905–1906.
Examinations for Admission9th Mo. 25–26–27
College Year 1905–1906 begins* 9th Mo. 27
College Year 1905–1906 begins*
College Year 1905–1906 begins*.9th Mo. 27Winter Recess begins12th Mo. 22Winter Term begins, 1906*.1st Mo. 8
College Year 1905–1906 begins*.9th Mo. 27Winter Recess begins12th Mo. 22Winter Term begins, 1906*.1st Mo. 8Second Half-year begins2d Mo. 5
College Year 1905–1906 begins*.9th Mo. 27Winter Recess begins12th Mo. 22Winter Term begins, 1906*.1st Mo. 8
College Year 1905–1906 begins*.9th Mo. 27Winter Recess begins12th Mo. 22Winter Term begins, 1906*.1st Mo. 8Second Half-year begins2d Mo. 5Spring Recess begins4th Mo. 14
College Year 1905–1906 begins*.9th Mo. 27Winter Recess begins.12th Mo. 22Winter Term begins, 1906*.1st Mo. 8Second Half-year begins.2d Mo. 5Spring Recess begins.4th Mo. 14Spring Term begins*.4th Mo. 23

<sup>\*</sup>The first classes at the beginning of each term are held promptly at half-past nine o'clock. No absences from them are excused, unless clearly unavoidable.



#### HISTORY AND DESCRIPTION.

In the spring of 1830, a meeting of a few Friends in Philadelphia, shortly followed by a similar meeting in New York, originated Haverford School. The two committees expressed the object of the effort as follows: "The members of the Society of Friends, having hitherto labored under great disadvantages in obtaining for their children a guarded education in the higher branches of learning, combining the requisite literary instruction with a religious care over the morals and manners of the scholars, . . . and carefully preserving them from the influence of corrupt principles and evil communications, it is therefore proposed that an institution be established in which the children of Friends shall receive a liberal education in ancient and modern literature, and the mathematical and other sciences."

The sum supposed to be necessary, forty thousand dollars, was raised without great effort, and the committee went out to seek a location. "We wished to procure," they say, "a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . and one that was recommended by the beauty of the scenery and a retired situation." They then report that, of the many places inspected by them, the only one which combined all the advantages was one of one hundred and ninety-eight acres (since increased to two hundred and twenty-five) "near the

eight-mile stone of the Lancaster turnpike." They explain the present and prospective merits of the farm, the beauty of the natural woods, the unfailing springs of purest water, the nearness to the new Pennsylvania railroad, in words which the succeeding decades have amply justified.

In the autumn of 1833 the school opened with twenty-one students, under the charge of a superintendent, who looked after the government, order and domestic economy of the family, a teacher of Ancient Languages and Ancient Literature, a teacher of English Literature and Mental and Moral Philosophy, and a teacher of Mathematics and Natural Philosophy.

The regulations of the new school were rigid. The bounds and hours of the boys were very strictly prescribed. All the details of the daily program were arranged with great care, and, if the elaborate provision of a number of wise men for the normal growth of students could convert boys into perfect men, the students of those early days had every advantage.

The school thus established grew rapidly into prosperity and debt. The charges were low, the teachers were liberally paid, and the years which followed were marked by a constant endeavor to produce a maximum of good results from very limited funds. The financial deficiencies were made up in a liberal spirit and a constant growth was maintained by frequent subscriptions. All this time the school was justifying the effort by the quality of its results and was making for itself an increasing number of friends.

One of the first acts of the committee, after provision for absolute necessities, was to construct a gymnasium and make arrangements for systematic physical work. They were determined that the advantage gained by the salubrity of the surroundings should not be lost by want of exercise. Under their care the lawn was graded at considerable expense, and foreign and native trees set out with the design to make it a great arboretum. Cricket, a game not then known elsewhere in America, was introduced and has flourished ever since. A greenhouse and a flowergarden were established and maintained for twenty years by the work of the boys. The idea that has done harm elsewhere, that schools are places for mental development only, had no foothold here; but morals, muscles, and senses received their due share of culture.

In 1845 a temporary suspension was declared to allow the funds to accumulate and to give time for the collection of an endowment. This suspension lasted three years.

In 1852 the Observatory was built and supplied with an 81-inch equatorial and a 4-inch transit. In 1856 the school was changed to a college, and was authorized by the Legislature to grant degrees; but previous to this time the course had been as extended as in most colleges. It was still hampered with a preparatory department, which was not abolished until 1861. In 1863, Alumni Hall, containing an auditorium and ample accommodation for the library, was built. In 1877, Barclay Hall, with its private dormitories and study-rooms, was erected by friends of the College at a cost of eighty-two thousand dollars. The Chemical Laboratories were improved in 1878. The new Observatory was built in 1883. The Mechanical Laboratory was established in 1884 and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new threestory stone structure, was built. The Biological Laboratory was established in 1886 and the Physical Laboratory in 1888. Since then the following buildings have been added to the college equipment: Chase Hall, for lectures and recitations, in 1888; the Cricket Shed in 1893; the enlargement of the nave and the south wing of Alumni Hall in 1898; Lloyd Hall in 1899; the large and well-equipped Gymnasium, presented by the Alumni at a cost of fifty thousand dollars, in 1900, and Roberts Hall, the gift of Lucy Branson Roberts, for public lectures and college offices, in 1903. The whole of Alumni Hall was thus made available for the housing of the library, which now consists of forty-four thousand volumes. Various donations and bequests were received during these years, and in 1897 the Jacob P. Jones endowment, worth about a million dollars, came into the possession of the College.

During this time Haverford had developed into a fullyorganized college. Many rules, adapted to boys of boarding-school age, had been modified or abandoned, though enough restraint was retained to provide against demoralization. The standard of admission was raised. Students of any denomination were admitted. The number of teachers was increased six-fold. The annual charge was increased from two hundred dollars to five hundred dollars,\* which still fails to represent what the College has to pay for professors' salaries and the board and care of students.

In Barclay and Lloyd Halls two students occupy a studyroom, and each has his private bed-room adjoining. A few single rooms are also available. Recitation-rooms, laboratories and dining-room are in Founders Hall. Some of

<sup>\*</sup>According to the situation of the room the price may vary from \$350 to \$575.

the professors live in the halls with the students, and others have houses on the grounds.

The College has a remarkably pleasant and healthful location in the township of Haverford, Delaware County,\* Pa., nine miles west of the center of Philadelphia, on the main line of the Pennsylvania railroad. The buildings are surrounded by grounds of about sixty acres, tastefully laid out, with a great variety of trees and shrubbery. These grounds provide excellent fields for cricket, football, golf, tennis and other field games, a running track, and a pond for skating.

Retaining the old idea of a "guarded education" and "religious care over morals and manners" the College has sought to attain these ideals, and has measurably succeeded by appeals to Christian principle and manliness rather than by the exercise of arbitrary power.

<sup>\*</sup>Haverford Post-Office is in Montgomery County.

# CORPORATION.

President.		
T. WISTAR Brown235 Chestnut st., Philadelphia		
Secretary.		
J. STOGDELL STOKES 1011 Diamond st., Philadelphia		
Treasurer.		
Asa S. Wing 409 Chestnut st., Philadelphia		
,		
BOARD OF MANAGERS.		
T. WISTAR Brown, President, 235 Chestnut st., Philadelphia		
PHILLIP .C. GARRETT Logan, Philadelphia		
DAVID SCULL		
RICHARD WOOD		
Charles Hartshorne Merion Station, Pa.		
John B. GarrettRosemont, Pa.		
EDWARD BETTLE, JR514 Walnut st., Philadelphia		
Benjamin H. Shoemaker, 205 N. Fourth st., Philadelphia		
HOWARD COMFORT, Secretary,529 Arch st., Philadelphia		
Justus C. Strawbridge, School Lane, Germantown, Phila.		
Asa S. Wing		
Francis Stokes Locust ave., Germantown, Phila.		
James Wood		

ABRAM F. HUSTONCoatesville, Pa.
J. Preston ThomasWhitford, Pa.
WILLIAM H. HAINES1136 Ridge ave., Philadelphia
WALTER WOOD400 Chestnut st., Philadelphia
GEORGE VAUX, JR404 Girard Building, Philadelphia
RICHARD M. JONES8 S. Twelfth st., Philadelphia
WILLIAM H. JENKS2004 Arch st., Philadelphia
Francis A. White1221 N. Calvert st., Baltimore, Md.
STEPHEN W. COLLINS69 Wall st., New York, N. Y.
JONATHAN EVANS "Awbury," Germantown, Phila.
Samuel L. Allen1107 Market st., Philadelphia
J. STOGDELL STOKES 1011 Diamond st., Philadelphia
THOMAS F. BRANSONRosemont, Pa.
Frederic H. Strawbridge801 Market st., Philadelphia

1904-1405

# FACULTY.

ISAAC SHARPLESS, Sc. D., LL. D., L. H. D., President and Professor of Ethics.

> ALLEN CLAPP THOMAS, A. M., Librarian and Professor of History.

LYMAN BEECHER HALL, PH. D., John Farnum Professor of Chemistry.

LEVI TALBOT EDWARDS, A. M., Professor of Mechanics and Electricity.

Francis Barton Gummere, Ph. D., Professor of English and German.

ERNEST WILLIAM BROWN, Sc. D., F. R. S., Professor of Mathematics.

> WILFRED PIRT MUSTARD, PH. D., Professor of Latin.

HENRY SHERRING PRATT, Ph. D., David Scull Professor of Biology.

JAMES ADDISON BABBITT, A. M., M. D., Physical Director and Associate Professor of Physiology. RUFUS MATTHEW JONES, A. M., LITT. D., Professor of Philosophy.

OSCAR MARSHALL CHASE, S. M., Secretary of the College and Instructor in Drawing.

ALBERT SIDNEY BOLLES, PH. D., LL. D., Lecturer on Commercial Law and Banking.

DON CARLOS BARRETT, PH. D.,
Dean and Associate Professor of Economics.

ALBERT ELMER HANCOCK, Ph. D., Associate Professor of English and German.

LEGH WILBER REID, PH. D., Associate Professor of Mathematics.

WILLIAM WISTAR COMFORT, Ph. D., Associate Professor of Romance Languages.

> WILLIAM WILSON BAKER, PH. D., Associate Professor of Greek.

FREDERIC PALMER, JR., A. M., Instructor in Physics and Astronomy.

ALFRED COPE GARRETT, Ph. D., Lecturer on Biblical Literature.

RALPH WALDO TRUEBLOOD, S. B., Assistant in the Chemical Laboratory.

#### STUDENTS.

The letters in the last column denote the courses taken. The letter A denotes the Arts course, S the course in General Science, E the courses in Engineering, and C a special course not leading to a degree.

#### TEACHING FELLOWS.

Sheldon, Carlos Noyes, A. B. (Haverford College), Swanton, Vt.

Wills, William Mintzer, A. B. (Haverford College), East Downingtown, Pa.

#### GRADUATE STUDENTS.

Brinton, Howard Haines, A. B. (Haverford College), West Chester, Pa.

Morris, Charles Christopher, S. B. (Haverford College), Villa Nova, Pa.

Snipes, Edgar Thomas, S. B. (Guilford College), A. B. (Haverford College), Menola, N. C.

Trueblood, Ralph Waldo, S. B. (Earlham College), Horton-ville, Ind.

#### SENIOR CLASS.

Alexander, Charles Allison	Devon, Pa.	E
Andrew, Adelbert Owen	Eudora, Kan.	A
Babb, Maurice Jefferis	State College, Pa.	$\mathbf{S}$
Bales, Thomas Menroy	Wilmington, Ohio	S
Boher, Sydney Morris	Shippensburg, Pa.	A

Bushnell, Charles Stone	Philadelphia, Pa.	$\mathbf{E}$
Cates, Benjamin Harold	East Vassalboro, Me.	A
Cookman, Harold Holmes	New York, N. Y.	A
Cox, Henry Greer	Philadelphia, Pa.	A
Downing, Thomas Stalker	Wilmington, Del.	$\mathbf{E}$
Eshleman, Benjamin	Lancaster, Pa.	A
Evans, Ernest Mervyn	Germantown, Pa.	Α
Fisher, Charles Worley	Philadelphia, Pa.	A
Fleming, Montgomery Ward	Bellefonte, Pa.	A
Hopkins, Arthur Haddon	Haddonfield, N. J.	S
Jones, Harold William	South China, Me.	A
Jones, Paul	Wellesley Farms, Mass	. A
Lee, Charles Smith	Philadelphia, Pa.	A
Morris, Joseph Howard	Bryn Mawr, Pa.	$\mathbf{E}$
Murray, Effingham Cock	New York, N. Y.	A
Ohl, Frederick William	Philadelphia, Pa.	A
Pearson, Ralph Lincoln	Germantown, Pa.	S
Peirce, Edmund Converse	Haverford, Pa.	A
Priestman, Albert Glyndon	Germantown, Pa.	S
Reagan, William J.	New London, Ind.	A
Ritts, Elias	Butler, Pa.	S
Seely, Leslie Birchard	Beach Haven, Pa.	A
Seevers, Marion Bruner	Oskaloosa, Iowa	A
Smith, Manning James	Mt. Summit, Ind.	A
Smyth, Lindley, Jr.	Philadelphia, Pa.	$\mathbf{C}$
Spaeth, Sigmund Gottfried	Mt. Airy, Pa.	A
Stein, Herman Kroberger	West Chester, Pa.	E
Stone, Elliot Kays	Philadelphia, Pa.	S
Teller, Chester Jacob	Philadelphia, Pa.	S
Thomas, Howard Pitner	Kennett Square, Pa.	$\mathbf{E}$
White, Lyndon Lea	Raleigh, N. C.	A

# JUNIOR CLASS.

Bainbridge, Edmund Fletcher	Philadelphia, Pa.	A
Breyfogel, Frank Seneca	Reading, Pa.	A
Brown, Thomas Kite, Jr.	Westtown, Pa.	A
Carson, Walter	Camden, N. J.	A
Cary, Richard Lucius	Baltimore, Md.	A
Crowell, Thomas	Avondale, Pa.	E
Dickson, Aubrey Cowtan	Wayne, Pa.	A
Doughten, Henry Warrington, Jr.	Moorestown, N. J.	A
Edsall, Joseph Pusey	Bryn Mawr, Pa.	$\mathbf{E}$
Fales, James Turner	Lake Forest, Ill.	A
Haines, William Henry, Jr.	Germantown, Pa.	A
Hopper, Harry Boardman	Narberth, Pa.	$\mathbf{E}$
Kennard, William, Jr.	Moorestown, N. J.	A
Lowry, Arthur Tilghman	Philadelphia, Pa.	Α
Miller, Warren Koons	Allentown, Pa.	A
Monroe, James	Mt. Airy, Pa.	A
Morris, Francis Bolton	Villa Nova, Pa.	A
Mott, Joseph Walton	Springville, Iowa	S
Nauman, Spencer Gilbert	Lancaster, Pa.	A
Philips, Jesse Duer	Kennett Square, Pa.	A
Pleasants, Henry, Jr.	Wayne, Pa.	A
Reid, David	Philadelphia, Pa.	A
Richards, Elliott Bartram	Merion, Pa.	A
Sands, Ralph William	Hawley, Pa.	A
Schweyer, Daniel Herbert	King-of-Prussia, Pa.	S
Scott, Roderick	Yonkers, N. Y.	A
Sheldon, Franklin Gates	Swanton, Vt.	A
Shortlidge, Raphael Johnson	West Chester, Pa.	A
Smiley, Albert Keith, Jr.	Mohonk Lake, N. Y.	A
Stratton, John Alfred	Philadelphia, Pa.	S

## HAVERFORD COLLEGE

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Taylor, Francis Richards	West Chester, Pa.	A
Tunney, Joseph	Philadelphia, Pa.	A

## SOPHOMORE CLASS.

Baldwin, Donald Comog	Malvern, Pa.	A
Barr, Karl Jackson	Paris, Ill.	C
Birdsall, Joseph Cooper	South Starksboro, Vt.	A
Brown, Arthur Emlen	Germantown, Pa.	S
Brown, Paul Willits	East Downingtown, Pa	ı.A
Buzby, John Stuart	Moorestown, N. J.	S
Cadbury, Richard, Jr.	Haverford, Pa.	A
Comfort, George Brinton	West Chester, Pa.	E
Craig, George Craig	Rosemont, Pa.	С
Dodge, Ira Jacob	Akron, Ohio	S
Eldridge, William Stauffer	Philadelphia, Pa.	A
Evans, Harold	Germantown, Pa.	A
Fritz, Henry Percival	Berwyn, Pa.	A
Godley, Francis Downing	Haverford, Pa.	S
Gummere, Samuel James	Haverford, Pa.	$\mathbf{S}$
Hafer, Warren Lavere	Abbottstown, Pa.	C
Haines, Wilbur Hamilton	Philadelphia, Pa.	$\mathbf{S}$
Janeway, John Livingston, 3rd	Philadelphia, Pa.	C
Jones, Ernest Fuller	South China, Me.	A
Lewis, Chester Preston	West Chester, Pa.	$\mathbf{S}$
Magill, James Phineas	West Chester, Pa.	$\mathbf{E}$
March, Joseph Cornell Beans	Parker Ford, Pa.	A
March, Michael Henry	Pottstown, Pa.	S
Nicholson, John Whitall, Jr.	Moorestown, N. J.	A
Padin, José	San Juan, Porto Rico	S
Rossmaessler, William Ryle	Germantown, Pa.	S
Shoemaker, Howard Hey	Philadelphia, Pa.	A

Tatnall, Edward Comfort	Germantown, Pa.	S
Tatnall, Emmett Robinson	Bryn Mawr, Pa.	A
Warner, Alexander Nes	Titusville, Pa.	$\mathbf{E}$
Windle, William Butler	West Chester, Pa.	A
Wood, George Hallock	Macedon, N. Y.	E

## FRESHMAN CLASS.

Poiler Fisher Corling	Androne De	A
Bailey, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A
Burtt, Howard	Philadelphia, Pa.	A
Bushnell, Joseph, 3rd	Philadelphia, Pa.	$\mathbf{E}$
Clement, John Browning	Overbrook, Pa.	A
Collings, Clifford Carmalt	Camden, N. J.	S
Coulter, Calvin	Austinburg, Ohio	A
Croll, Walter Lewis	Bryn Mawr, Pa.	A
Desmond, Thomas Charles	Tacony, Pa.	A
Drinker, Cecil Kent	Haverford, Pa.	E
Edwards, Edward Aikin	Haverford, Pa.	$\mathbf{E}$
Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Ervien, Robert	Philadelphia, Pa.	C
Green, Thomas Lightfoot	Adams, Neb.	C
Guenther, Jacob Jarden	Philadelphia, Pa.	С
Haines, John Howard	Malvern, Pa.	C
Hill, Thomas Rothwell	Philadelphia, Pa.	$\mathbf{E}$
Kurtz, William Wesley, 2nd	Germantown, Pa.	$\mathbf{E}$
Linton, Morris Albert	Moorestown, N. J.	$\mathbf{E}$
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Merrick, Thomas Belsham	Glendower, Va.	S
Miller, Charles Lichty	Lancaster, Pa.	A
Morriss, William Haviland	Baltimore, Md.	A

#### HAVERFORD COLLEGE 19 Musser, Frederic Omar Philadelphia, Pa. A Pearson, Henry Grant Germantown, Pa. C Phillips, Clifford Stevenson Allegheny, Pa. E Rogers, Charles Henry Wayne, Pa. C Sargent, Winthrop, Jr. Haverford, Pa. A Scott, Carl Forse Yonkers, N. Y. A Shoemaker, Walter Rodman Philadelphia, Pa. A Sidwell, Wilson Springville, Iowa A Smiley, Hugh Mohonk Lake, N. Y. C Stribling, William Clarkson Markham, Va. C Strode, George King West Chester, Pa. C Thomas, James Carev Haverford, Pa. A Troth, John Theodore $\mathbf{E}$ St. Davids, Pa. Westbury, N. Y. Whitson, Walter Wilkin A Wing, Stephen Remington Philadelphia, Pa. To: Wright, Edwin Columbus, N. J. 8 SUMMARY. Graduates .....

 Juniors
 32

 Sophomores
 32

 Freshmen
 40

# REQUIREMENTS FOR ADMISSION.

Candidates for the Freshman Class are admitted on examination. No certificates are accepted.

Examinations are held twice a year, in the Sixth and the Ninth month, at the College, except in cases of distant candidates, for whom special arrangements may be made.

In 1905 the dates will be as follows:-

Sixth month 19th, and Ninth month 25th.

9.00-10.00 Latin Composition.

10.00-11.30 Latin Prose Authors.

11.30-12.45 { Latin Poets. English History.

1.30-3.30 Algebra.

3.30-4.30  $\begin{cases} \text{Greek Composition.} \\ \text{Physics.} \end{cases}$ 

Sixth month 20th, and Ninth month 26th.

9.00-11.15 French.

9.00-10.30 Xenophon.

10.30-11.45 Homer and Sight Translation.

 $11.45\text{--}12.45 \begin{cases} \text{Greek History.} \\ \text{U. S. History.} \end{cases}$ 

1.30-3.00 English.

3.00-5.00 German.

Sixth month 21st, and Ninth month 27th.

9.00-11.00 Plane Geometry. 11.00-12.00 Roman History.

A candidate may pass a preliminary examination in some of his studies and be examined in the remaining studies in a subsequent year. A certificate will be given for the studies passed. No student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared.

The examinations of the College Entrance Examination Board of the Middle States and Maryland will be accepted in place of corresponding Haverford examinations.

Candidates for Corporation scholarships (see page 73) must take all their examinations not later than the Sixth month of the year of entry.

## SUBJECTS FOR EXAMINATION.

#### English.\*

A. Reading.—Certain books are selected for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter. The form of examination will usually be the writing of a paragraph or two on each of the several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics should show the candidate's power of clear and accurate expression, and will

<sup>\*</sup>Note.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

call only for a general knowledge of the substance of the books.

The books selected for this part of the examination will be in 1905–1906: Shakspere's Merchant of Venice and Julius Caesar; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

B. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, style and construction.

The books selected for this part of the examination will be in 1905–1906: Shakspere's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's speech on *Conciliation with America*; Macaulay's essays on *Addison* and *Milton*.

The English examination may be taken in two parts.

## MATHEMATICS.

Algebra A.—The four fundamental operations, factoring, highest common factor, least common multiple, the solution of equations of the first degree in one or more unknown quantities, problems leading to such equations, powers and roots, radicals including extraction of square roots of polynomials and numbers and fractional and negative exponents.

Algebra B.—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geomet-

rical progressions, permutations and combinations, and the binomial theorem for a positive integral exponent.

Algebra B cannot be taken as a preliminary examination.

Plane Geometry.—The demonstration of theorems and constructions as found in the usual text-books. Simple original theorems, constructions and numerical exercises.

Students should have at their command a knowledge of the principal theorems, so that they may be able to apply them.

Science.—Elementary Physics.

#### HISTORY.

- (a) Grecian History to the death of Alexander.
- (b) Roman History to the death of Marcus Aurelius.
- (c) English History.
- (d) United States History, including the periods of discovery and colonization.

GREEK.—(a) Xenophon, Anabasis, Books I-IV; Homer, Iliad, Books I-III, omitting the Catalogue of Ships. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Attic prose. (c) The translation into Greek of a simple English passage based upon some portion of the Xenophon prescribed.

LATIN.—(a) Caesar, the Gallic War, Books I-IV; Cicero, the speech on the Manilian Law, the four against Catiline

and the speech for Archias; Virgil, the Aeneid, Books I-VI. Other books of Caesar or speeches of Cicero may be substituted for those mentioned, if due notice is given. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Latin prose or verse. (c) The translation into Latin of a simple English passage, based upon some portion of the Cicero or Caesar prescribed.

GERMAN.—(a) The translation at sight of ordinary German prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into German of simple English sentences or of easy connected prose, to test the candidate's familiarity with the grammar. Proficiency in grammar will also be tested by direct questions.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in German (see page 37) will be adequate for preparation.

FRENCH.—(a) The translation at sight of ordinary French prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into French of simple English sentences or of easy connected prose, to test the candidate's familiarity with the grammar. Proficiency in grammar will also be tested by direct questions.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in French (see page 38) will be adequate for preparation.

SUBJECTS FOR ADMISSION, 1905, 1906.

#### I. For the Course in Arts:-

English, Algebra, Plane Geometry, Latin, two Histories,\* and one of the following:

- (a) Greek;
- (b) German and French;
- (c) German and Physics;
- (d) French and Physics.

#### II. For the Courses in Science:-

English, Algebra, Plane Geometry, any two Histories, and one of the following:

- (a) Any two of the four languages, Greek, Latin, German, French;
- (b) Any one of these languages with Physics.

SUBJECTS FOR ADMISSION, 1907.

## I. For the Course in Arts:—

The same as for 1906.

<sup>\*</sup> Candidates presenting the Greek language must offer Grecian History, and candidates presenting Latin, Roman History.

#### II. For the Courses in Science:-

English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), and one of the following:

- (a) Any two Histories;
- (b) Any one History with Physics.

Students not able to pass all of the examinations may be admitted with a few conditions. Each case will be decided on its merits.

Students not candidates for degrees may be permitted to pursue special courses, for proficiency in which certificates may be granted; but this permission will be given only to students of ability and character sufficient to insure their success.

Candidates may be admitted to advanced classes if found proficient in all the preliminary studies of the course. Each case will be considered on its merits.

Every candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must present certificates of honorable dismissal.

# COURSES OF INSTRUCTION.

I. Course in Arts leading to the degree of Bachelor of Arts.—Latin and other languages offered for admission must be continued for two years. All courses given in any department are open as electives during the last two years on compliance with the necessary preliminaries.

II. Course in Science leading to the degree of Bachelor of Science.—This course is divided into four sections, for admission to any of which a student may offer until 1907 (see page 25) two languages or one language and Physics.

Languages presented for admission must be continued according to the schedule on pages 30, 31.

(a) Course in General Science.—The elective list is practically the same as in the course in Arts.

French III and German V are required for graduation; if either of these courses has not been taken in the Sophomore year, it must be taken as an elective in the Junior or the Senior year.

- (b) Course in Mechanical Engineering.—This course consists largely of mathematics, applied science and work in the shop and drawing-room.
- (c) Course in Electricity.—Electricity is substituted for the special mechanical work of Course (b) during the last two years.

(d) Chemical and Preparatory Medical Course.—This course has the double purpose of training specialists in chemistry and of preparing students to enter medical schools. The latter object can also be obtained by proper electives in the courses in Arts and General Science.

# COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS.

In laboratory and gymnasium work two and one-half hours must be taken for each hour given below.

#### FRESHMEN.

Hours per	
Greek I, or German II, or French II	4
Latin I	4
English Ia, Ib, II	3
Mathematics Ia, Ib	4
History I	2
Biblical Literature IV	1
Physiology and Physical Training	2
SOPHOMORES.	
Greek II, or German V, or French III	3
Latin II	3
English III	2
*Mathematics IIa, IIb, or Chemistry I	4
*Physics I, or Biology II	4

<sup>\*</sup>In place of either of these groups students who take both Greek and Latin may elect four hours of advanced Greek or Latin, or German II, or French II.

				Week
Biblical Literature I, or IV	٠			1
Physical Training		٠		$1\frac{1}{2}$
JUNIORS.				
Greek, or Latin, or Mathematics				3
English IV, or V				1
Economics I				2
Philosophy I				2
Biblical Literature I, II, or IV				1
Electives				7
SENIORS.				
English IV, or V		٠	٠	1
Philosophy Va and Vb				2
Bibical Literature I, II, or III				1
Electives				12

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE.

* Biblical Lit. IV * Biblical Lit. IV  3 English Ia, Ib, II 2 History I 2 Mathematics Ia, Ib and Drawing 4 Mathematics Ia, Ib and Drawing 4 Chemistry I Shopwork  4 and Drawing 4 Chemistry I Biology I and Biology I and Biology I and English I Biology I and English I Biology I and Biology I and Biology I and I wanted the state of the stat	1 Biblical Lit. IV 1 Biblical Lit. IV 2 English III 2 2 English III 2 4 Mathematics IIa, IIb. 4 Biology II 4 Physics I 4 Analytical Chem. 4 German V Latin II, or German Shopwork 1 3 V or French III 3 V or French III 3 Physical Train. 13 Physical Train. 13 Physical Train. 13
Bit His Sho Sho Bio Bio Bio Bio Bio Bio Bio Bio Bio Bi	Bib Eng Mat Phy Ger O Sho
$^{*}$ $^{1b}$	1 Biblical Lit. IV 2 English III 2 4 Mathematics IIa, IIb 4 4 Physics I 3 German V 3 Or French III 3 Shopwork and Drawing 4 and Drawing 4 Physical Train.
Biblical Lit. IV **1  English Ia, Ib, II **3  History I **2  Wathematics Ia Ib **4  German **4  French **4  Biology I and **2  Biology I and **2  Physical Training **2	Biblical Lit. IV 12 English III 2 Mathematics IIa, IIb 2 Or Chemistry I 4 Physics I or Biology II 4 German 3 French 3 French 13
	*1Biblical Lit. IV *  English Ia, Ib, II 2 History I  Ib 4 Mathematics Ia, Ib  German II  Shopwork and Drawing  and Drawing  Biology I and  Physical Training .

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Biblical Lit. IV Economics I	Philosophy I English IV or V	Science or Math.	Electives	Biblical Lit. III  English IV or V  Philosophy Va, Vb  German V†  French III†	Electives .
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\*Figures in these columns indicate hours per week. In laboratory, gymnasium and shopwork, two and one-half hours must be taken for each hour here indicated.

#If this course has been previously taken, an elective is to be substituted.

#### GREEK.

Greek I and II are required, respectively, of Freshmen and Sophomores who present Greek for admission.

Courses III, IV and V are elective for Seniors and Juniors; Course  $A_{\bar{r}}$  for all students.

A. Course for Beginners. A thorough study of the elements of the language; followed by the reading of simple Attic prose, Xenophon, Anabasis; selections from other authors.

Professor Baker; 3 hours.

I. Lysias, Select Orations; Homer, Odyssey, Books I–XII. Sight reading. Greek composition.

Professor Baker; 4 hours.

II. Plato, Apology, Crito and selections from Phaedo; selections from Aristophanes, Clouds, and Xenophon, Memorabilia; Aeschylus, Prometheus; Euripides, Alcestis. Sight reading. History of Greek Literature.

Professor Baker; 3 hours.

III. Thucydides, Books VI and VII; Sophocles, Oedipus Tyrannus; Euripides, Medea; Aristophanes, Frogs. Study of other plays in English translation.

Professor Baker; 3 hours.

IV. Plato, Gorgias, with selections from other dialogues; Demosthenes, On the Crown, with selections from Aeschines, Against Ctesiphon.

Professor Baker; 3 hours.

V. Aeschylus, Agamemnon; history of Lyric Poetry with illustrative reading; Pindar, Olympian Odes.

Professor Baker; 3 hours.

#### BIBLICAL LITERATURE.

I. Greek Testament. Interpretation of the Gospel. This course is required of Sophomores who present Greek for admission.

Dr. Garrett; 1 hour.

II. Greek Testament. Interpretation of the Pauline Epistles. This course is continued through two years and is required of all Juniors and Seniors who present Greek for admission.

Professor Baker; 1 hour.

#### LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores who present Latin for admission.

Courses III, IV, V and VI are elective for Seniors and Juniors.

I. Cicero, Fourth Verrine; Virgil, Bucolics and Fourth Georgic; Livy, Books XXI-XXII. Translation at sight. Prose composition.

Professor Mustard; 4 hours

II. Tacitus, Germania and Agricola; Selections from Tibullus; Horace, Odes. Mackail's Latin Literature. Translation at sight.

Professor Mustard; 3 hours.

III. The principal Satires of Juvenal; the principal Satires and Epistles of Horace; selections from Lucretius; Cicero, *Tusculan Disputations*, Book I. Translation at sight.

Professor Mustard; 3 hours.

IV. Virgil, Georgics, Books I-II; Catullus; Terence, Adelphoe; Plautus, Mostellaria; Seneca, Medea. Translation at sight.

Professor Mustard; 3 hours.

V. Tacitus, Annals, Books I-VI; Suetonius, selected Lives; Quintilian, Institutio Oratoria, Book X; Merivale, History of the Romans under the Empire, Vols. IV-V. Translation at sight.

Professor Mustard; 3 hours.

VI. Advanced Latin Composition.

Professor Mustard; 1 hour.

## ENGLISH LANGUAGE AND LITERATURE.

English Ia, Ib and II are required of all Freshmen; English III of all Sophomores, and English IV of all Seniors and Juniors except those electing English V. The other courses are elective for Seniors and Juniors. No student will be graduated who cannot write a creditable style extemporaneously.

Ia. Freshman English. The elements of rhetoric and studies in style. Genung, Handbook of Rhetorical Analysis. Extemporaneous speeches.

Professor Hancock; 2 hours, first half-year.

Ib. American Literature. A brief historical and critical survey of American letters. Wendell, Literary History of America. Extemporaneous speeches. Weekly themes.

Professor Hancock; 2 hours, second half-year.

II. Freshman English Literature. Lectures on the foundation of English literature, and on its development down to the time of Shakspere. Readings and reports.

Professor Gummere; 1 hour,

III. Sophomore English. Lectures on rhetoric and the appreciation of literature. Readings from selected authors. Weekly themes. Extemporaneous speeches.

Professor Hancock; 2 hours.

IV. Senior and Junior Essays. Four essays during the year on selected subjects. These are read and criticised by the instructor in conference with the student.

Professor Hancock; 1 hour.

V. Advanced Themes. Lectures on the principles of literary art and method. Constant practice in the various forms of composition.

Professor Hancock; 1 hour.

VIa. Forensics. Advanced work in extemporaneous speaking. Occasional addresses and debates. Readings in the British and American orators.

Professor Hancock; 1 hour.

VIb. Public Speaking. Addresses on social and political topics. Arguments and pleas for civic reforms. This course is open only to those who have taken VIa, and the class is limited to twelve members.

Professor Hancock; 1 hour.

VII. Early English. Bright, Anglo-Saxon Reader. Elene. Béowulf.

Professor Gummere; 2 hours.

VIII. Middle English. English Literature in the thirteenth and fourteenth centuries. Chaucer, Canterbury Tales. English and Scottish Ballads. Lectures and readings.

Professor Gummere: 2 hours.

IX. Elizabethan Literature. Lectures on the development of English literature, particularly of the drama, down to Shakspere. Readings of old plays and of Elizabethan masterpieces. All the plays of Shakspere, three read critically in class.

Professor Gummere; 2 hours.

X. English Literature of the Seventeenth Century. Lectures, with readings in the general literature, and a special study of Milton. Selections from the Minor Poems, the Comus and certain books of Paradisc Lost, with the whole of Samson Agonistes, are read in class.

Professor Gummere; 1 hour.

XI. Modern English Prose Writers. Lectures on the lives and works of Steele, Addison, Defoe, Swift, Johnson, Goldsmith, Burke, De Quincey, Lamb, Carlyle, Arnold, Ruskin, Dickens, Thackeray, George Eliot and others. Collateral readings and reports.

Professor Hancock; 2 hours.

XII. English Poetry of the Nineteenth Century. Lectures on the lives and works of Burns, Coleridge, Wordsworth, Shelley, Byron, Keats, Arnold, Clough, Tennyson and Browning. Collateral readings and reports.

Professor Hancock; 2 hours.

#### GERMAN.

German II is required of all Freshmen and German V of all Sophomores who present German for admission.

I. First Year German. German grammar and reading exercises. Thomas, German Grammar; Guerber, Märchen und Erzählungen; Heyse, L'Arrabbiata; Storm, Immenser; Hauff, Die Karawane.

Professor Hancock; 3 hours.

II. Second Year German. A course in the rapid reading of representative German writers. Baumbach, Im Zwielicht; Lessing, Minna von Barnhelm; Schiller, Wilhelm Tell; Goethe, Hermann und Dorothea and Götz von Berlichingen; Heine, Buch der Lieder; Bürger, Lenore. Practice in sight reading. In addition the members of the class will read

privately Hauff, Das kalte Herz; Sudermann, Frau Sorge; von Scheffel, Trompeter von Säkkingen; Fouqué, Undine.

Professor Hancock; 4 hours.

III. German Prose Composition.

Professor Gummere; 2 hours.

IV. Scientific German. Rapid reading in class of difficult prose in science, history and philosophy, together with private reading of some treatise on a special subject chosen by the student and approved by the instructor.

Professor Gummere; 2 hours.

V. German Literature. Goethe, Faust and Iphigenie; Schiller, Wallenstein. Selections from classic authors. Readings.

Professor Gummere; 3 hours.

VI. Middle High German. Paul, Mittelhochdeutsche Grammatik; Das Nibelungenlied; poems of Walther von der Vogelweide.

Professor Gummere; 2 hours.

## FRENCH.

French II is required of all Freshmen and French III of all Sophomores who present French for admission.

I. First Year French. A course to give the student an elementary knowledge of grammar and a fair reading knowl-

edge of the language. The following books are used: Fraser and Squair, French Grammar; Bruno, Tour de la France; Halévy, L'Abbé Constantin; Mérimée, Colomba; Bedollière, La Mère Michel et son Chat; Labiche, Le Voyage de Monsieur Perrichon.

Professor Comfort; 3 hours.

II. Second Year French. Grammar work continued and rapid reading. The following books are used: Fraser and Squair, French Grammar; Lamartine, Graziella; Loti, Pêcheur d'Islande; Daudet, Contes; Mérimée, Chronique du Règne de Charles IX; Hugo, Hernani; Super, Histoire de France; Corneille, Le Cid; Molière, L'Avare; La Fontaine, Fables.

Professor Comfort; 4 hours.

III. Rapid reading of French classics of the seventeenth and nineteenth centuries. The following authors are read: Corneille, Racine, Molière, Bossuet, Beaumarchais, Hugo, Lamartine, Musset, Balzac, Daudet, Coppée, Maupassant. In connection with the above the class makes use of Petit de Julleville, Leçons de Littérature Française and Fortier, Sept Grands Auteurs du Dix-neuvième Siècle.

Professor Comfort; 3 hours.

IV. A lecture course treating the history of French literature from its origins to the present time. Attention is especially directed to the study of literary tendencies, the development of the national spirit, and the relations of the literature of France to that of other nations. A large amount of outside reading, with written reports, is called

for. This course is conducted in French, and is open only to students who have passed creditably in French III.

Professor Comfort; 2 hours.

V. A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

Professor Comfort; 2 hours.

#### SPANISH.

I. An elementary course intended for those who wish the essentials of the Spanish language, either for a business career or for literary work. The following books are used: Monsanto and Languillier, Practical Course in Spanish (Revised); Padre Isla, Gil Blas de Santillana; Alarcón, El Capitán Veneno; Galdos, Doña Perfecta; Moratín, El Sí de las Niñas; Calderón, La Vida es Sueño.

Professor Comfort; 3 hours.

#### ITALIAN.

I. An elementary course in reading Italian. Grandgent, *Italian Grammar;* Bowen, *Italian Readings*, are used. The following authors are read: Goldoni, Boccaccio, Dante.

Professor Comfort: 3 hours.

## MATHEMATICS.

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshmen and Sophomore work and do not intend to proceed further in mathematics, (2) elect them as a minor subject and take either physics, engineering or astronomy as a major subject, (3) take them as part of the required work of the Engineering course, or (4) elect them as a major subject.

Courses I, II, III, IV are given every year and XIV in alternate years. The electives to be offered in any one year will be such as the needs of the department may require. Courses on certain subjects other than those named below may be arranged by consultation either for undergraduates or graduates.

In the Library will be found some of the principal journals, treatises and collected works. There are also libraries nearby where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses Ia and Ib are required of all Freshmen. Courses IIa and IIb are Sophomore courses.

Ia. Algebra, including the theory of quadratic equations, the binomial theorem for any exponent, logarithms and the exponential, convergence and divergence of series, undetermined coefficients, partial fractions, probability. Fine, College Algebra. Solid Geometry. Thompson, Elementary Solid Geometry and Mensuration.

Professor Reid; 4 hours, first half-year.

Ib. Plane Trigonometry, including the solution of triangles. Lyman and Goddard, Plane Trigonometry. Elements of the Theory of Equations.

Professor Reid; 4 hours, second half-year.

IIa. Plane Analytic Geometry, including that of the curves of the second degree. Tanner and Allen, Analytic Geometry.

Professor Brown; 4 hours, first half-year.

IIb. Differential Calculus. McMahon and Snyder, Differential Calculus.

Professor Brown; 4 hours, second half-year.

IIIa. Integral Calculus. Murray, Integral Calculus.

Professor Reid; 3 hours, first half-year.

IIIb. Differential Equations, elements. Analytic Geometry of Three Dimensions, the plane, straight line and quadric surface.

Professor Reid; 3 hours, second half-year.

Courses IIIa, IIIb, are required of Engineering students in their Junior year and should, in general, be taken by students electing mathematics in the Junior year.

IV. Introduction to Analytical Mechanics; including the earlier parts of dynamics and statics, the motion of a particle under any forces and the principal theorems in attractions and potential. This course is required of Engineering students in their Senior year.

Professor Brown; 3 hours.

V. Introduction to Modern Analytical Geometry.

Professor Reid; 2 hours, half-year.

VI. Introduction to the Theory of Functions. Prerequisite, IIIa.

Professor Brown; 3 hours.

VII. Differential Equations. The subject will be treated on lines similar to those of Forsyth's text-book. Prerequisite, IIIa.

Professor Brown; 2 hours, half-year.

VIII. Theory of Equations. Burnside and Panton, Theory of Equations.

Professor Reid; 2 hours, half-year.

IX. Advanced Algebra. The following topics will in general be discussed: rational functions, determinants, symmetric functions, invariants, groups, and the Galois theory of algebraic equations. Weber, Algebra.

Professor Reid; 3 hours, half-year.

X. Analytic Geometry of Three Dimensions. Theory of surfaces and curves in space. C. Smith, Solid Geometry.

Professor Reid; 2 hours, half-year.

XI. Fourier Series and Spherical Harmonics; including some of the simpler applications to physical problems.

Professor Brown; 3 hours, half-year.

XII. Elements of the Theory of Algebraic Numbers.

Professor Reid; 2 hours.

XIII. Theoretical Dynamics. Prerequisites, IIIa, IIIb and IV.

Professor Brown; 3 hours, half-year.

XIV. Descriptive Geometry. This course is required of Engineering students and is given in alternate years.

Professor Reid; 2 hours, first half-year.

XV. Advanced Mechanics. This course is a continuation of course IV, and it includes the methods by which the general principles of Mechanics are applied to the solution of various physical problems. Thomson and Tait, Natural Philosophy, is used as a text-book.

Professor Brown; 2 hours, half-year.

#### HISTORY.

History I is required of all Freshmen. The other courses are elective for Seniors and Juniors.

I. History and Politics. This course affords a general survey of the political and constitutional development in the United States and the chief states of modern Europe. Emphasis is laid upon the elementary principles of government and upon the actual working of the governments of the United States and England. The work is conducted by means of text-books, informal lectures and collateral reading.

President Sharpless and Professor Barrett; 2 hours.

II. American History. Colonial history to 1783.

Professor Thomas; 3 hours.

III. American History. Constitutional and political history of the United States from 1783 to 1870.

Professor Thomas; 3 hours.

Courses II and III are usually given in alternate years.

They are intended to show historical development, the relation of cause and effect, and to awaken in the students a consciousness of historic proportion and a sound critical sense. The instruction consists chiefly of lectures, with required private reading, consultation of authorities, frequent reports in the lecture room on special reading, and occasional essays on assigned topics. The College Library is well supplied with reference-books and historical literature.

IV. Medieval History. This course includes a survey of the civilization of Europe at the beginning of the Middle Ages and deals with the decline of the Roman Empire; the Gothic invasion; the rise and fall of Arabian civilization; the rise and decline of Charlemagne's empire; Feudalism; the Crusades; the conflicts between the Empire and the Papacy; the Reformation.

Dr. Bolles; 2 hours.

## POLITICAL SCIENCE.

Economics I is required of all Juniors in the Arts and General Science courses. The other courses in Political Science are elective for Seniors and Juniors.

## A. Economics.

I. Outlines of Economics. A general introduction to the subject. The greater part of the year is taken up with a study of the principles of the science, based upon Bullock, Introduction to the Study of Economics; Hadley, Economics;

and other general books. The latter part of the course is devoted to applications of economic principles.

Professor Barrett; 2 hours.

II. Economic History of the United States. A general survey since 1750. A study is made of the important factors in our social, industrial and commercial life leading up to our present economic status. Among the subjects considered are: colonial conditions before and after the Revolution; important measures in our financial history; the tariff policy and the growth of industries; the development of transportation facilities with special reference to the history and problems of railway and shipping; the problem of the trusts. This course may be taken with Economics I.

Professor Barrett; 2 hours.

III. Economic Problems. The labor problem and socialism. A study is made of the factory system, labor organizations, labor legislation, strikes, courts of arbitration, etc. The history of socialism and the aims and methods of socialistic organizations are investigated.

Professor Barrett; 3 hours, first half-year.

IV. Money. The ways and means of making payments and the effects produced upon prices, trade and industry. A study is made of the principles of money; bank-credit and its uses in the form of deposits and different systems of bank-note issues; paper money and the problems connected with the suspension of specie payment in the United States from 1861 to 1879; commercial crises; stock-exchanges. Conditions in the United States receive special

attention. This course may be taken profitably with Economics VI.

Professor Barrett: 3 hours, second half-year.

V. Commercial Law. An exposition of the leading principles of the law relating to contracts; who can make them; what assent is needful; what consideration is required; how interpreted and enforced. Also the law relating to particular subjects: sales, carriage of goods and passengers, agency, partnership, negotiable paper, checks, guaranty, surety, payments, interest, shipping, insurance, deeds and loans, and corporations.

Dr. Bolles; 2 hours, first half-year.

VI. Banking. The practice and most important legal principles of banking; the methods of raising the capital; modes of organizing national and state banks, savings banks, trust and finance companies; the resources of a bank and the modes of lending them; the duties of its directors, president, cashier, tellers, bookkeepers and other officials; public and private examinations and audits. This course may be taken profitably with Economics IV.

Dr. Bolles; 2 hours, second half-year.

#### B. GOVERNMENT.

I. Expenditure and Revenue. A description of the mode of expending and collecting the revenues of the national and state governments. The functions of government are briefly set forth and expenditures are classified. The mode of making expenditures by the different departments of the

national government is then discussed, followed by a description of the bills appropriating money. The different kinds of taxes are next considered, the principles on which the laws are based, and the modes of administering them. The expenditures and revenues of the state are treated in the same manner.

Dr. Bolles; 1 hour.

#### BIBLICAL LITERATURE.

I. Greek Testament. Interpretation of a Gospel. This course is required of Sophomores who present Greek for admission.

Dr. Garrett; 1 hour.

II. Greek Testament. Interpretation of the Pauline Epistles. This course is continued through two years and is required of all Juniors and Seniors who present Greek for admission.

Professor Baker; 1 hour.

III. Biblical Literature in English. This course is similar to IV, and is a continuation of its work. It is a survey of the life and letters of Paul, brought as far as possible into chronological connection, with some attention to his special teachings.

Dr. Garrett; 1 hour.

IV. Biblical Literature in English. This course extends through three years, and consists of a survey of the history and literature of the Bible in English from the beginnings

of Hebrew history down to the close of the Apostolic age. The history and literature are brought, as far as possible, into chronological connection. As introductory to the entire course, a part of the first year is devoted to a consideration of such subjects as the Canon of the Old and New Testaments, the translations of the Bible and the history and method of the modern study of the Bible.

Professor Jones; 1 hour.

Course IV is required of all Freshmen, and of those members of the Sophomore and Junior classes who have not studied Greek. Course III is required of all Seniors who have not studied Greek.

V. The Literary Study of the English Bible. The Book of Job, with selections from the Psalms and other books, are read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere: 2 hours.

#### PHILOSOPHY.

I. Psychology. A course in general psychology. James, Psychology (briefer course), is used as a text-book, supplemented by lectures. A short series of lectures is also given on logic.

Professor Jones; 2 hours.

II. Interpretation of the New Testament. This course is devoted to a search for the original message of Christianity as expressed by the writers of the Gospels and Epistles. It

consists of lectures, readings and theses. The work is all done in English.

Professor Jones; 2 hours, first half-year.

III. Development of Christian Thought. An examination of the great types of religious thought which have prevailed at different epochs in the history of the Church, such as the Alexandrian conception of Christianity, the Latin, the Calvinistic, and the Quaker conception. Lectures, readings and theses.

Professor Jones; 2 hours, second half-year.

IV. History of Philosophy. The chief systems of philosophy from the earliest period down to modern times. The development of theories of idealism receives especial attention. The text-books required are Weber, History of Philosophy, and Royce, Spirit of Modern Philosophy, with other reading. Lectures, discussions and theses.

Professor Jones; 2 hours.

Va. Ethics. The important ethical theories are studied historically with a view of discovering a satisfactory criterion or basis of moral action. Each student is expected to make an exposition of some one representative system. The text-book is Muirhead, Elements of Ethics. Lectures and theses.

Professor Jones; 2 hours, first half-year.

Vb. Ethics. In this course are considered current problems of practical ethics and sociology on their moral side. President Sharpless; 2 hours, second half-year. VI. Religious and Philosophical Movements. This course is for advanced students only, and is conducted on the seminar method. Different epochs are studied from year to year.

Professor Jones; 2 hours, in the evening.

#### ASTRONOMY.

The Haverford Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring, from actual observation, a practical acquaintance with astronomy.

It contains two equatorial telescopes, one by Clark, having an object-glass 10 inches in diameter, and one with an object-glass of  $8\frac{1}{4}$  inches, with filar micrometer and eye pieces; a polarizing eye-piece; a Newtonian reflector with a silver-on-glass speculum of  $8\frac{1}{4}$  inches diameter; a prism spectroscope; a meridian transit circle having a telescope of  $3\frac{3}{4}$  inches aperture with a circle at each end of the axis 26 inches in diameter; a zenith instrument of  $1\frac{3}{4}$  inches aperture, with a micrometer; two sidereal clocks, one with mercurial compensation, the other used to connect with a Bond's magnetic chronograph.

The latitude of the observatory is 40° 0′ 40.1″ north, its longitude, 7 minutes 3.08 seconds east from Washington.

I. General Descriptive Astronomy. This course is intended to make the student familiar with the fundamental facts upon which modern astronomy is based. The observatory instruments are explained and used. Some idea is

given of the scope and methods of practical astronomy. The text-book is David P. Todd, *New Astronomy*.

F. Palmer, Jr.; 2 hours.

II. Practical Astronomy.

F. Palmer, Jr.; 2 hours.

#### BIOLOGY.

The biological laboratory is a large, well-lighted room, which is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains about two hundred biological works and zoological, anatomical and botanical charts.

The courses of the department are arranged so that students intending to study medicine may have every facility for preparation. Graduates who have completed the Preparatory Medical course are admitted without examination to all medical schools, and, in some of them, to the second year of their course.

Course I is required of all Freshmen through the first quarter. Course II, or Physics I, is required of all Sophomores in the Arts and Science courses.

I. Elementary Physiology and Hygiene. This course is preparatory to the general physical training required by the College, and includes general physiology, hygiene, a brief review of human anatomy and lectures on first aid to the injured.

Professor Babbitt; 2 hours, first quarter.

II. Elementary Biology. The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants, and also to some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study and discussion of typical representatives of some of the greater groups of animals and plants. Many field excursions are taken in order to study animals and plants in their natural environment.

Professor Pratt; 4 hours.

Courses III to VII, inclusive, are elective, but must, with the exception of Course VII, be preceded by Course II.

III. Comparative Anatomy of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course includes the dissection and study of a cartilagenous and a bony fish, an amphibian, a reptile, a bird, and a mammal. This course is given in alternate years with Courses Va and Vb.

Professor Pratt; 3 hours.

IV. Morphology of Invertebrates. This course is intended for those who may wish to make a more extended study of invertebrates than was possible in Course II.

Professor Pratt; 1 hour or more, by arrangement.

Va. Histology of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course includes a microscopical study of vertebrate tissues. The student also learns the methods of microscopical technique.

the preparation of the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted tissues.

Professor Pratt; 3 hours, first half-year.

Vb. Embryology of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course is devoted to the study of the embryology of the chick and of the frog.

Professor Pratt; 3 hours, second half-year.

Courses Va and Vb are given in alternate years with Course III.

VI. General Botany. One lecture and one laboratory period a week. The laboratory work of this course consists of the dissection and structural study of typical representatives of the principal groups of plants.

Professor Pratt; 2 hours.

VII. Evolution and Heredity. Lectures and supplementary readings. The development of the evolutionary idea is traced from the time of the Greeks to the present time, and the systems of Lamarck and Darwin and their followers are described and discussed. The growth of our knowledge of the facts of heredity is studied and the theories of Darwin, Weismann, Mendel and others are discussed.

Professor Pratt: 1 hour.

Courses VI and VII are given in alternate years.

VIII. Human Anatomy. A general course in anatomy intended especially for preparatory medical students and prospective teachers of physical training. The department is equipped with a skeleton, a manikin, enlarged models of the eye, ear, throat, and heart, and numerous charts to aid in practical work. A complete set of individual bones, including a disarticulated skull, affords opportunity for the study of osteology. The outline includes a study of the brain and spinal cord, and, as far as time permits, a study of the eye, the ear, and the throat. The course is supplemented by attendance upon medical clinics and by occasional visits to the anatomical museums of the city.

Professor Babbitt; 2 hours.

IX. Applied Anatomy and Physiology. A course offering special work in preparation for the teaching of physical training. It may be combined with Courses VIII and X. Professor Babbitt; 2 hours.

X. Advanced Physiology. While primarily intended to fill the requirements of the Preparatory Medical course, this course is made general and is open to all Juniors and Seniors. It consists of one hour of recitation and one laboratory period a week. Suitable apparatus is provided for practical and experimental work upon muscle and nerve preparations; examination and tests of blood and secretions; production of artificial digestion; functional study of the heart, general circulation, special senses, etc. This course may be modified to suit the needs of the course in normal physical training.

Professor Babbitt; 2 hours.

#### CHEMISTRY.

The large chemical laboratory affords opportunity for elementary or advanced special work, with ample facilities for its prosecution. The professor and his assistant are in constant attendance. The laboratory work comprises elementary experiments in general chemistry; the preparation of a number of pure compounds; qualitative and quantitative analysis, and experimental work illustrating chemical laws and theories. Chemistry I or Mathematics II is required of all Sophomores in the Arts and General Science courses. Chemistry is required of all Freshmen in the Chemical and Preparatory Medical courses and of all Juniors in the Mechanical and Electrical courses.

I. Elementary General Chemistry. In this course students will probably have two lectures or recitations and two laboratory periods a week. The preparation, properties and uses of the more important elements and inorganic compounds are discussed in the lectures and are illustrated by experiments. In the laboratory the time is given mainly to the preparation and study of the non-metallic elements and a few of their compounds.

Professor Hall; 4 hours.

II. Qualitative Analysis. The exercises are mainly practical, but there is, each week, at least one lecture or examination. Although the instruction is devoted chiefly to the methods of qualitative analysis, it is expected that the student will increase materially his knowledge of general chemistry by following this course.

Professor Hall; 2 hours or more, by arrangement.

III. Quantitative Analysis. The simpler gravimetric and volumetric methods of analysis are studied. The calibration of flasks and burettes is also included.

Professor Hall; 2 hours or more, by arrangement.

IV. Organic Chemistry. This course consists of lectures, recitations and laboratory work throughout the year. It will be found useful not only to those intending to become chemists, but also to students of biology and medicine.

Professor Hall; 2 hours.

V. Advanced Quantitative Analysis. This course is a continuation of Course III, but includes the analysis of silicates and other complex compounds, the examination of water, milk, butter, iron, steel, etc.

Professor Hall: 2 hours or more, by arrangement.

#### PHYSICS.

The Department of Physics occupies six rooms in the west end of Founders Hall, well arranged both for laboratory work and for lectures. The apparatus for lecture demonstrations has been carefully chosen to illustrate the principal phenomena dealt with, and the laboratory is furnished with a large number of excellent standard forms of apparatus. The department is also well equipped with the usual forms of elementary apparatus. The electrical apparatus includes several dynamos and motors, Weston and and other ammeters and voltmeters, a Leeds and Northrup potentiometer, a good variety of Thomson and of D'Arson-

val galvanometers, a fine Wheatston bridge made by Eliot Brothers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light, and electric currents are obtained either from a storage battery or from a dynamo.

The courses to be given in 1904–1905 are given below; additional courses may, however, be announced later.

I. Elementary Physics. This course is an elective with Biology in the Sophomore year. It regularly consists of three lectures or recitations and one laboratory period a week, but, at the discretion of the instructor, one of the lecture periods may be used for laboratory work. The subjects considered are mechanics, sound, heat, light, electricity and magnetism. Hall and Bergen, Text Book of Physics, revised and enlarged, is used in the class work, supplemented by Snyder and Palmer, One Thousand Problems in Physics. Ames and Bliss, Experiments in Physics, is the laboratory manual. The lectures are accompanied by numerous experimental demonstrations. The chief aim of the laboratory work is the teaching of accurate measurement and observation in all the subjects treated.

F. Palmer, Jr.; 4 hours.

II. Electricity and Light. This course is intended to follow Course I, and requires an elementary knowledge of calculus. In general, there is one lecture and one laboratory period a week. The modern developments of electricity are briefly considered, including Roentgen rays, wireless telegraphy, the electro-magnetic theory of light, and the

theory of ionization as set forth in J. J. Thompson, *The Conduction of Electricity through Gases*. The laboratory work includes a few fundamental experiments in the measurements of currents, resistances, divided circuits, etc., and the phenomena of diffraction, polarization and measurement of the wave-length of light.

F. Palmer, Jr.; 2 hours or more, by arrangement.

VI. Electricity. Elementary instruction by text-book and lectures, in electrical quantities and units; the principles of electrical measuring instruments, dynamos, motors and transformers. The course includes experiments with dynamos and motors, such as making characteristic curves, the measurement of efficiency, etc. The practical phases of electricity are considered.

Professor Edwards; 2 hours.

VII. Electricity. This course is intended to follow Course VI. It begins with laboratory experiments by the student, involving the use of refined measuring instruments and the absolute measurement of electrical quantities. It embraces also, in more detail than Course VI, the study of the design, construction and operation of dynamos, direct and alternating; the theory of the transformer; the transmission of electrical energy; the modern applications of the electric current. The practical phases of electrical engineering, such as the wiring of buildings, the installation of electrical machinery, etc., are taken up as far as time permits.

Professor Edwards; 2 hours.

#### GEOLOGY.

I. Elementary Geology. A discussion of the general principles of the science, Le Conte's Geology being used as a text-book. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

Professor Pratt; 2 hours.

#### ENGINEERING.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The entire equipment is new and of the best quality. The wood-working room affords accommodation for fourteen students at one time. The benches are provided with quick-action vices and a complete set of carpenter's tools for each student. This shop contains a 36" band saw and two wood lathes. The iron-working room contains a 24" x 12' Blaisdel engine-lathe and three smaller enginelathes; a 24" x 24" x 6' planer; a Becker-Brainard universal milling machine; a Gould and Eberhardt 16" shaper; two drill presses; several vices, and complete sets of machinists' tools for bench work. Steam engine indicators and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for engine and dynamo testing. The third story of the building is devoted to drawing and is a commodious and welllighted room.

The instruction begins with a series of graded exercises which teach accuracy in the use of tools and illustrate the principles of machine construction. This is followed by practice in the construction of parts of machinery and the building of complete machines.

The students are taken, from time to time, to visit machine-shops and engineering constructions in Philadelphia and vicinity.

Students in Mechanical Engineering spend at least five hours a week for four years in the shop, and students in Electrical Engineering five hours a week for two years. In addition the following technical mechanical courses are given. For the corresponding electrical courses, see under Physics.

Ia. Steam Engineering. A study of the construction of modern steam engines, boilers, condensers, pumps, etc., followed by the thermo-dynamic principles involved in the operation of the steam engine.

Professor Edwards; 2 hours, first half-year.

Ib. Materials of Construction. A study of the materials employed in engineering constructions, including the manufacture and properties of iron in all its commercial forms of cast iron, steel and wrought iron; the making of alloys, the strength, elasticity and ductility of metals; the strength of timbers, shafting, girders, trusses, etc.

Professor Edwards; 2 hours, second half-year.

IIa. Descriptive Geometry. [Mathematics XIV.]

Professor Reid; 2 hours, first half-year.

IIb. Elements of Mechanism. A study of the mechanical movements employed in machinery; various methods of transmitting and transforming motion; a detailed study of the teeth of wheels. This course includes a series of probblems in invention to be solved by the student.

Professor Edwards; 2 hours, second half-year.

III. Practical Mechanics. This course extends through four years for engineering students. It begins with simple exercises in wood-working, embracing sawing and planing, and progresses through graded exercises in joinery of all kinds, turning and pattern-making. One year is usually spent in this department, unless the student has previously had practice in wood-working.

The iron-working is begun regularly at the beginning of the Sophomore year. Bench work in filing, chipping and scraping occupies about one year. A considerable degree of skill is required in this work, as it is the most valuable part of the course in training hand and eye for accurate mechanical work.

The remaining two years are devoted to the use of the various machine tools in executing a series of graded exercises, and, finally, in the construction of a complete machine such as a lathe or engine.

Professor Edwards and assistants; 2 hours or more, by arrangement.

IV. Mechanical Drawing and Machine Design. A course beginning with the elementary projection of solids and complicated intersections, and embracing the design of plain and bevel gear wheels (cycloidal and involute), worm gearing, the Stephenson link motion for reversible steam en-

gines, etc. The course concludes with the design of a steam engine or a gasoline motor, and complete detail drawings of all working parts. Students in Mechanical Engineering spend at least five hours a week for four years in the drawing room, and students in Electrical Engineering five hours a week for two years.

O. M. Chase; 2 hours or more, by arrangement.

#### PHYSICAL TRAINING.

The new Gymnasium contains a main floor, sixty by ninety feet, abundantly equipped with the most improved American and Swedish gymnastic appliances and circled by an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the director in physical examination and measurement. These rooms may be further utilized for special work by students taking advanced courses in anatomy and physiology, preparatory to medicine, and by those electing normal courses in physical training. Adjoining the main hall is located a large and comfortable reading room. Above are a trophy room and apartments for the use of the alumni.

The following periodicals are taken by the Reading Room:—

American Cricketer.
American Gymnasia.
Cosmopolitan.
Field and Stream.
Forest and Stream.
Golf.
Gymnasium Magazine.
Harper's Weekly.

Illustrated Sporting News. Leslie's Weekly. Life.

London Graphic. McClure's Magazine.

Puck. Recreation. Rudder.

Sports and Pastimes.

Success. Yachtsman. The basement contains dressing-rooms, a number of well-ventilated lockers, shower-baths and a swimming pool. There is also a special dressing-room for the use of the faculty and visiting athletic teams, and a double bowling alley.

A thorough physical examination is given to all students upon entrance, and another at the end of the Sophomore year. They must be physically eligible before representing the College upon foot-ball, gymnasium or athletic teams.

The work of the department begins with a course of lectures upon anatomy, physiology and hygiene, given to the Freshman class during the first quarter of the college year. This is followed by systematic gymnastic drill during the two succeeding quarters, four periods a week.

A similar course of three periods a week is required during the Sophomore year and elective courses are open to Seniors and Juniors.

The student must take one of the following courses:

- I. A course in modified Swedish educational gymnastics.
- II. A course in general light and heavy gymnastic work.
- III. Regular practice with the candidates for the College gymnastic team, for entrance to which gymnastic ability and physical qualifications are requisite.

For additional courses in anatomy and physiology, see pages 52–55.

## THE LIBRARY.

The College Library now contains over forty-four thousand volumes, besides numerous pamphlets. It is arranged with the object of making it especially useful as a library of reference. The students have free access to the shelves and the librarian and his assistants are, at all times, ready to give aid to students and readers.

About eighteen hundred dollars are expended yearly for the purchase of books and periodicals. The library is a regular depository of the United States Government, and several hundred volumes of publications are annually received.

The following literary and scientific periodicals are taken:

Acta Mathematica.

Advocate of Peace.

American Friend.

American Historical Review.

American Journal of Archæology.

American Journal of Mathematics.

American Journal of Theology.

American Journal of Philology.

American Journal of Science.

American Machinist.

American Naturalist.

Anglia.

Anglia Beiblatt.

Annalen der Physik.

Annals of American Academy.

Annals of Mathematics.

Archiv für lateinische Lexicographie.

Astronomical Journal.

Astronomische Nachrichten.

Astrophysical Journal.

Athenæum.

Atlantic Monthly.

Australian Friend.

Banner and Herald.

Beiblätter für die Annalen der Physik.

Beiträge zur Geschichte der deutschen Sprache und Litteratur. Biological Bulletin.

Bird Lore.

Bookman.

British Friend.

Bulletin Astronomique.

Bulletin des Sciences Mathématiques.

Bulletin of American Mathematical Society.

Bulletin of the Department of Labor.

Bulletin of Bibliography.

Cassier's Magazine.

Catalogue of U. S. Public Documents.

Century Magazine.

Chicago Banker. Classical Review.

Columbia University Quarterly.

Commercial and Financial Chro-

nicle.

Comptes Rendus de l'Académie des Sciences.

Congressional Record.

Consular Reports.

Contemporary Review.

Critic.

Cumulative Index.

Department of Labor Bulletin (New York).

Dial.

Economist (London).

Educational Review. Electrical World.

Electrician.

Englische Studien.

English Catalogue of Books.

Era.

Experiment Station Record.

Expositor.

Expository Times.

Forum.

Forest Leaves.

Fortschritte der Mathematik.

Friend (London).

Friend (Philadelphia).

Friends' Intelligencer and Journal.

Friends' Missionary Advocate. Friends' Quarterly Examiner.

Good Government.

Harper's Magazine. Harper's Weekly.

Hartford Seminary Record. Harvard Graduates' Magazine.

Herald of Peace. Hibbert Journal.

Independent.
International Quarterly.

Johns Hopkins University Circulars.

Johns Hopkins University Studies in History, etc.

Journal of the American Chemical Society.

Journal of the Chemical Society. Journal de Mathématiques.

Journal of Political Economy.

Journal of the Franklin Institute.

Journal of the Friends' Historical Society.

Journal of English and Germanic Philology.

Journal of Experimental Zoölogy.

Journal für die reine u. angewandte Mathematik.

Journal of the Society of Chemical Industry.

Library Journal.

Literary News.

Literaturblatt für germ. u. rom. Philologie.

Living Age.

Lower Merion News.

Mathematische Annalen.

Messenger of Peace.

Mind.

Missionary Review.

Modern Language Notes.

Modern Philology.

Monthly Notices of Royal Astronomical Society.

Monthly Summary, Commerce and Finance.

Nation.

Nature.

Nineteenth Century and After.

North American Review.

Official Gazette of the U.S. Patent Office.

Outlook.

Pedagogical Seminary.

Pennsylvania Magazine. Philosophical Magazine.

Philosophical Review,

Political Science Quarterly.

Popular Science Monthly.

Post-Graduate Wooster Quar terly.

Princeton University Bulletin.

Proceedings of the Academy of Natural Science.

Proceedings of American Philosophical Society.

Proceedings of the Society for Psychical Research.

Psychological Review.

Publishers' Weekly.

Publications of the Modern Language Association.

Quarterly Journal of Economics

Quarterly Journal of Mathematics.

Quarterly Review.

Review of Reviews (American).

Revue des Deux Mondes.

Rheinisches Museum für Philologie.

Romania.

Science.

Science Abstracts.

Scientific American.

Scientific American Supplement.

Scribner's Magazine.

Sound Currency.

Southern Workman.

Spectator.

Terrestrial Magnetism.

Transactions of the American Mathematical Society.

University Record (Chicago University).

War or Brotherhood.

Wochenschrift für klassische Philologie. World's Work.
Yale Alumni Weekly.
Yale University Bulletin.
Zeitschrift für Anorganische
Chemie.

Zeitschrift für Physikalische Chemie. Zoologischer Anzeiger. Zoologisches Zentralblatt.

The Library is open from 8.30 A. M. to 6 P. M. While designed especially for the use of the officers and students, others have the privilege of consulting, and, under certain restrictions, of withdrawing books.

The Library is under the charge of Allen C. Thomas, Librarian.

# PUBLIC LECTURES, 1903-1904.

# Haverford Library Lectures.

"The Seven Churches of Asia Minor" (illustrated), by Dr. Rufus B. Richardson, late Director of the American School of Classical Studies at Athens. 2nd mo. 5th, 1904.

Three lectures by President William Dewitt Hyde, of Bowdoin College:

"The Epicurean, the Maximum of Pleasure, and the Stoic, Self-control by Law." 3rd mo. 1st, 1904.

"Plato, the Subordination of Lower to Higher, and Aristotle, the Sense of Proportion." 3rd mo. 3rd, 1904.

"The Christian Principle of Love." 3rd mo. 4th, 1904.

## Other Lectures.

"Gladstone, Cobden, Balfour and the Political Situation in England," by Ellis Yarnall, A. M. 11th mo. 10th, 1903.

"Some Glacial Phenomena Observed on the Line of the Canadian Pacific Railway" (illustrated), by George Vaux, Jr. Lecture delivered under the auspices of the Scientific Society. 12th mo. 1st, 1903.

"La Renaissance, les Châteaux de la Loire, le Louvre" (illustrated), by André Michel, Professor at the Ecole du Louvre and Staff Lecturer of the *Alliance Française* for the current year. Lecture delivered under the auspices of the French Department. 12th mo. 8th, 1903.

"The Mediæval Legend of Virgil," by Dr. Kirby Flower Smith, Professor of Latin in the Johns Hopkins University. Lecture delivered under the auspices of the Classical Department. 1st mo. 8th, 1904.

"A Trip in the Forest Reserves of California and Washington" (illustrated), by Alden Sampson, A. M., United States Game Preserve Expert. 4th mo. 12th, 1904.

# GRADING OF STUDENTS.

Students are classified, according to their grades, into five sections, A, B, C, D, E. Each student is notified of the section to which he has been assigned, but the grades are not published. Section E is composed of those who cannot be advanced to the next class or receive their Bachelor's degree. Daily recitations, hour-examinations and final examinations are all employed in determining the standing of a student.

## ADVANCED DEGREES.

Graduates of Haverford College of three years' standing may take the degree of Master of Arts or of Master of Science by passing an examination on some literary or scientific course of study which shall have received the approval of the Faculty. Such a course must be equivalent to one year's uninterrupted study.

Candidates who are examined may also be required to

hand in dissertations on topics in the field of study which they have specially investigated.

Resident graduates, who have completed an adequate course of study, may be admitted to an examination for a second degree at the expiration of one or two years.

Notice of application for examination must be given to the President two months before Commencement. The examination for non-residents will be held during the last week in Fifth month. The fee for the Master's diploma is twenty dollars, to be paid in all cases before the 1st of Sixth month.

Adequate courses of study for the Master's degree will be arranged on application to the President.

# ROOMS.

A student who continues in the College may retain the room he already occupies. The vacant rooms are assigned by lot, the upper classmen having first choice. About one-fourth of the rooms in Merion Cottage will be reserved for Freshmen. New students may select rooms in the order of entry. For this purpose they must fill certain blanks to be had on application to the President of the College. Signatures to these blanks are considered to bind the students, unless they are refused by the College for failure in examination or other cause.

## EXPENSES.

The charge for tuition, board and room-rent varies with the location of the rooms from \$350 to \$575 a year.

Accommodation for students is furnished at different rates, as follows:

Merion Cottage, 16 at \$350 each.
" " 4 at \$400 each.
Founders Hall, 12 at \$400 each.
Barclay Hall, 6 at \$400 each.
" " 26 at \$450 each.
" " 53 at \$500 each.
Lloyd Hall, 16 at \$575 each.

The rent of rooms includes steam heat, electric light, necessary bed-room furniture and care of rooms. Students will supply their own study-room furniture, also towels and table napkins.

The charge for tuition is one hundred and fifty dollars a year; for tuition and mid-day meal, two hundred dollars a year.

Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills. Materials consumed and breakage in the laboratories are also charged.

Bills for board and tuition are payable, three-fifths at the beginning, and two-fifths at the middle of the college year.

# SCHOLARSHIPS.

I. Senior Foundation Scholarships. Five scholarships of the annual value of \$300 each are offered to graduates

nominated by the Faculties of Earlham, Penn, Wilmington, and Guilford Colleges and Friends' University.

II. I. V. Williamson Scholarships. Three scholarships covering all expenses of board and tuition.

III. Richard T. Jones Scholarship. One scholarship covering all expenses of board and tuition.

II and III are so arranged that one is usually vacated each year and awarded to a Freshman.

IV. Corporation Scholarships. Sixteen scholarships of the annual value of \$300 each will be awarded after competitive examination. They are open to all applicants.

Candidates for these scholarships in the Freshman class are usually asked to answer certain questions not required of other applicants for admission. The award for the following college year is made after the Sixth month examinations of each year. Candidates in the higher classes are selected each year from those highest on the grade list in the preceding year. Four scholarships are given to each class.

V. Edward Yarnall Scholarship. One scholarship of the annual value of \$200. Open only to Friends.

VI. Thomas P. Cope Scholarship. One scholarship of the annual value of \$200. Open only to Friends who intend to teach.

VII. Sarah Marshall Scholarship. One scholarship of the annual value of \$200.

VIII. Mary M. Johnson Scholarship. One scholarship of the annual value of \$200.

IX. Day Scholarships. Eight scholarships of the annual value of \$100 each.

X. Tuition Scholarships. Twenty-four scholarships of

the annual value of \$150 each. One of these may be nominated by the Lower Merion High School for the Freshman year only.

All scholarships are given for one year only, but they may be renewed by the College (except I) if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

Except IX and a few of X all scholarships involve residence at the College.

## FELLOWSHIPS.

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

On the same foundation are offered, yearly, two fellowships of \$300 each, called Teaching Fellowships, involving certain duties at Haverford College. They are construed to cover all the charges for tuition, rooms and board.

# PRIZES.

Alumni Prizes for Composition and Oratory.

The Association of the Alumni, in the year 1875, established an annual prize of \$50, either a gold medal or an

equivalent value in books with a bronze medal, for excellence in composition and oratory.

The following are the rules governing the competition:

I. The Alumni medal is offered yearly for competition amongst the members of the Senior and Junior classes, as a prize for the best delivered oration prepared therefor.

II. Three or five judges shall be appointed from year to year by the Alumni Committee, who shall hear publicly, in Roberts Hall, all competitors who may be qualified to appear.

III. No oration shall occupy in delivery more than fifteen minutes.

IV. In making the award, while due weight is to be given to the literary merits of the oration, the judges are to consider the prize as offered to encourage more especially the attainment of excellence in elocution.

V. The judges shall have the right to withhold the prize if the elocution and the literary merits of the oration fall below a creditable standard of excellence.

## The Everett Society Medal.

This silver medal is offered by the donor to the members of the two lower classes for competition in oratory. It is given in memory of the old Everett Society.

## John B. Garrett Prizes for Systematic Reading.

Four prizes in books, of \$40, \$30, \$20 and \$10 respectively, will be given to those members of the Junior class who, having creditably pursued their regular studies and

paid proper attention to physical culture, shall have carried on the most profitable course of reading in standard authors during the Sophomore and Junior years.

The direction of the work and the award of the prizes shall be in the hands of a committee consisting of the President, the Librarian and the Professor of English.

There will be an oral examination to determine the scope and quality of the reading, and a thesis treating of subjects embraced in the course will be required.

Any or all of these prizes may be omitted if, in the judgment of the committee, the work does not justify an award.

## The Class of 1896 Prizes in Latin and Mathematics.

These are two prizes in books of \$10 each. They will be awarded at the end of the Sophomore year for proficiency in Latin and Mathematics respectively.

# Philip C. Garrett Prizes.

These are five prizes in books of \$10 each, to be awarded as follows:

- I. To the most proficient student in mathematics at the end of the Senior year.
- II. To the most proficient student in Greek at the end of the Freshman year.
- III. To the most proficient student in Latin at the end of the Freshman year.
  - IV. To the best writer of themes in the Sophomore class.
- V. To the member of the Senior or Junior class who shall have done the most thorough and satisfactory work in biology.

# The Class of 1898 Prize in Chemistry.

The Class of 1898 offers a prize of \$10 in books to the member of either the Senior or the Junior class, who, in the judgment of the professor in charge, shall have done the most thorough and satisfactory work during the year in the laboratory, and in oral and written examinations.

The prize will not be awarded twice to the same student.

## HONORS.

For the purpose of honors, studies are divided as follows:

a. Literary group: the Greek, Latin, German and French languages, English literature, history, philosophy and political science.

b. Scientific group: astronomy, biology, chemistry, engineering, mathematics and physics.

Candidates for honors shall elect from any two studies in one of these groups at least five hours a week during the Junior year, and eight hours a week during the Senior year, and shall announce their candidacy at the beginning of the Junior year.

Highest Honors and Honors may be given, dependent on the judgment of the professor in charge. The decisions will be based on special examinations, or on the character of the daily work.

General Honors are awarded for a general average of ninety per cent., or over, during the Senior and Junior years.

Honors will be announced at Commencement and in the succeeding catalogue.

#### SOCIETIES.

The Loganian Society was established by the officers and students in 1834, and is now a debating society.

A flourishing branch of the Young Men's Christian Association, organized in 1879, has a membership embracing three-fourths of the students.

A chapter of the Phi Beta Kappa Society was established at the College in 1898.

The Scientific Society holds meetings for the reading of papers, the presentation of reports, and the discussion of such topics as may be suggested by its members.

The Campus Club is an organization of the faculty, students and other friends of the College for promoting the study and preservation of trees, shrubs, birds and wild animals on the college property.

# PERIODICALS.

Haverford College Bulletin. Five publications for the collegiate year in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

The Haverfordian, founded in 1879, is the student paper published monthly during the college year.

# DEGREES, PRIZES AND HONORS GRANTED IN 1904.

At the Commencement in 1904, degrees were granted after examination to the following graduates:

#### MASTER OF ARTS.

Takeo Arishima, A. B. (Imperial Agricultural College of Supporo, Japan)

William Collins Longstreth, A. B. (Haverford College) Henry Edwin McGrew, S. B., S. M. (Penn College)

#### BACHELOR OF ARTS.

Fred Van Winkle Andrew William Parker Bonbright Howard Haines Brinton Daniel Lawrence Burgess John Charles Chester Raymond Haig William Tatum Hilles Abel Wesley Kratz Wm.MarmadukeCopeKimber Harold Messner Schabacker Carlos Noyes Sheldon Edgar Thomas Snipes James Martin Stokes, Jr. Henry Norman Thorn Bert Calvin Wells William Mintzer Wills

Samuel Clayton Withers

#### BACHELOR OF SCIENCE.

Joseph Woodburn Clark Arthur Crowell Philip Donald Folwell George Kingman Helbert Bernard Lester Luke Lindley Robert Pharo Lowry Thomas Jefferson Megear Charles Christopher Morris Harold Hollingsworth Morris John Roberts Thomas Erwyn Porter West

# FELLOWSHIPS.

The Clementine Cope Fellowship (\$500) for 1904–1905 was awarded to

William Parker Bonbright

Two Teaching Fellowships (\$300 each) for 1904–1905 were awarded to

Carlos Noyes Sheldon William Mintzer Wills

#### PRIZES.

The Alumni Prize in Composition and Oratory (\$50 in books) was awarded to

Bernard Lester
Honorable Mention.....Chester Jacobs Teller

The Everett Society Medal for Oratory for Sophomores and Freshmen was awarded to

Warren Koons Miller

The John B. Gar	cett Prizes (in books) for Systematic R	Readin <b>g</b>
	or Juniors were awarded to	

First Prize (\$40)Sigmund Gottfried Spaeth
Fourth Prize (\$10)
(Second and Third Prizes not awarded).

The Class of 1896 Prizes (in books) in Latin and Mathematics for Sophomore and Freshmen were awarded to

Latin (\$10).		.Roderick Scott
Mathematics	(\$10)	. Richard Lucius Carv

The Philip C. Garrett Prizes (in books) were awarded to

Senior Mathematics (\$10) Chester Raymond Haig
Senior or Junior Biology (\$10)Leslie Birchard Seely
Sophomore Themes (\$10) Elliott Bartram Richards
Freshman Latin (\$10)
Freshman Greek (\$10)

The Class of 1898 Prize in Chemistry (\$10 in books) for Seniors or Juniors was awarded to

William Mintzer Wills

# HONORS.

Seniors elected to the Phi Beta Kappa Society.

Chester Raymond Haig William Mintzer Wills
William Parker Bonbright Carlos Noyes Sheldon
Samuel Clayton Withers

#### General Honors.

William Parker Bonbright Carlos Noyes Sheldon	William Mintzer Wills Samuel Clayton Withers
Highest Honors in English	
Honors in Philosophy	Howard Haines Brinton Daniel Lawrence Burgess
Honors in Mathematics and	
Biology	Chester Raymond Haig
Honors in Physics	
Honors in Engineering	Thomas Jefferson Megear
Honors in Greek and Latin	
Honors in Chemistry	William Mintzer Wills
Honors in Philosophy and Po-	
litical Science	Samuel Clayton Withers

# $Corporation\ Scholar ships.$

These \$300 scholarships are awarded annually to the four students in each class having the highest average scholarship for the year. In some cases the money is applied, at the option of the holder, to students of greater financial need, the original recipient retaining the honor.

Holders of Corporation Scholarships for the collegiate year 1904–1905.

## Class of 1905

Paul Jones Edmund Converse Peirce Frederick William Ohl Chester Jacob Teller

#### Class of 1906

Thomas Kite Brown, Jr. Richard Lucius Cary
Walter Carson Elliott Bartram Richards

#### Class of 1907

Harold Evans Ralph William Sands James Phineas Magill George Hallock Wood

## Class of 1908

Howard Burtt Frederic Omar Musser Morris Albert Linton Carl Forse Scott



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## BIOGRAPHICAL CATALOGUE OF THE MATRICULATES OF HAVERFORD COLLEGE, 1833-1900 inclusive

296 pp. Folio. Embracing a brief sketch of every student entering Haverford School and College. Edited by Allen C. Thomas, '65 \$1.00

#### HAVERFORD COLLEGE VIEWS

A handsomely bound portfolio of 20 leaves, 12½ inches by 9½ inches, presenting 34 views of the buildings and grounds artistically grouped and printed in a dark duochrome ink.

Published by O. M. Chase, Secretary of the College . \$1.00

#### HAVERFORD COLLEGE BULLETIN

Complete publications for the collegiate year, in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

Any of the above will be forwarded, on receipt of price, by

THE SECRETARY OF HAVERFORD COLLEGE

HAVERFORD, PA.

# HAVERFORD COLLEGE BULLETIN

VOL. III.

FOURTH MONTH, 1905

No. 3

## Graduate Register

1836-1904



Published by Haverford College, Haverford, Pa.
Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



## LIST OF GRADUATES

AND

## RECIPIENTS OF HONORARY DEGREES

WITH ADDRESSES

1836-1904 Inclusive



The addresses given are the latest on the college records.

Corrections, where noted, should be
addressed to
The Secretary of Haverford College, Haverford, Pa.

THE JOHN C. WINSTON CO.
PRINTERS AND PUBLISHERS
PHILADELPHIA

## GRADUATE REGISTER.

Degrees conferred by other institutions are indicated by italies.

† indicates date of decease.

## CLASS OF 1836.

CD1155 O1 1030.	
Cock, Thomas Ferris, A.B., A. M., LL.D., M.D. Walton, Joseph, A.B.	†1896 †1898
CLASS OF 1837.	
Longstreth, William Collins, A.B.	†1881
Marsh, Benjamin Vail, A.B.	†1882
Murray, Lindley, A.B.	†1897
Parsons, Robert Bowne, A.B.	<b>†18</b> 98
Pennock, Joseph Liddon, A.B.	†1870
SHARPLESS, CHARLES LEEDS, A.B.	†1882
SMITH, LLOYD PEARSALL, A.B., A.M.	†1886
WISTAR, BARTHOLOMEW WYATT, A.B.	†1869
CLASS OF 1838.	
Elliott, John, A.B.	†1893
Emlen, James Valentine, A.B., M.D.	†1880
CLASS OF 1839.	
Collins, Frederic, A.B.	†1892
COPE, THOMAS PIM, A.B.	†1900
HARTSHORNE, HENRY, A.B., A.M., M.D., LL.D.	†1897
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HILL, NATHAN BRANSON, A.B.  MENDENHALL, NEREUS, A.B., M.D.  RANDOLPH, RICHARD, A.B., M.D.  247 North Twelfth St., Philadelphia, Pa.	†1875 †1893
Taber, Charles, A.B.	†1887
CLASS OF 1840.	
HOWELL, JOSEPH, JR., A.B. KIMBER, ANTHONY MORRIS, A.B. 5337 Wayne St., Germantown, Phila.	†1889
Sharpless, Henry Hale Graham, A.B.	†1870
Winslow, John Randolph, A.B., M.D.	†1866
CLASS OF 1841.	
LAWRENCE, RICHARD HENRY, A.B.	†1847
PEROT, JAMES POULTNEY, A.B.	†1872
WHITE, ELIAS ALBERTSON, A.B., M.D.	†1866
CLASS OF 1842.	
BOWNE, ROBERT, A.B 81 Beaver St., New York City.	
Cadbury, Richard, A.B.	†1897
HILLES, WILLIAM SMITH, A.B.	†1876
Kimber, Thomas, Jr., A.B., Litt.D.	†1890
Levick, James Jones, A.B., A.M., M.D.	†1893
RODMAN, EDMUND, A.B., A.M.	†1903
RODMAN, THOMAS ROTCH, A.B., A.B.	
New Bedford, Mass.	

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GRADUATE REGISTER	5
SMITH, BENJAMIN RAPER, A.B. TABER, AUGUSTUS, A.B. WINSLOW, CALEB, A.B., M.D.	†1904 †1898 †1895
CLASS OF 1843.	
Howland, Robert Bowne, A.B. Somerset, Niagara County, N. Y. Stroud, William Daniel, A.B., M.D. White, Francis, A.B.	†1883 †1904
CLASS OF 1844.	
ELLIS, EVAN TYSON, A.B., Ph. G. 4409 Chestnut St., Philadelphia, Pa. HAINES, ROBERT BOWNE, A.B. HARTSHORNE, ISAAC, A.B.	†1895 †1900
CLASS OF 1845.	
Crenshaw, Edmund Austin, A.B. Pearsall, Robert, A.B.	†1894 †1849
CLASS OF 1849.	
Smiley, Albert K., A.B., A.M.  Mohonk Lake, Ulster County. N. Y.  Smiley, Alfred Homans, A.B., A.M.	†1903
CI ACC OF 70.	

CLASS OF 1851.

BAILEY, JOSEPH LUKENS, A.B. †1904

GARRETT, PHILIP C., A.B.

Logan, Philadelphia, Pa.

LEVICK, THOMAS J., A.B. PAIGE, FRANKLIN ENOCH, A.B., A.M.	†1893
Room 103, Scott Building, 1217 Filbert St	,,
Philadelphia, Pa.	
Test, Zaccheus, A.B., A.M., M. D.	
120 South Fourteenth St., Richmond, Ind.	
Thomas, James Carey, A.B., A.M., M.D.	†1897
Wood, Richard, A.B.	
400 Chestnut St., Philadelphia, Pa.	
CV A CC CCP C	
CLASS OF 1852.	
Clark, Dougan, A.B., M.D.	†1896
Hopkins, Lewis Neill, A.B.	†1904
KINSMAN, WILLIAM LOW, A.B.	†1899
Newhall, William Estes, A.B.	
5018 Wayne Ave., Germantown, Phila., Pa.	
WHITALL, JAMES, A.B.	†1896
OT A GG OT A	
CLASS OF 1853.	
Morgan, William Butler, A.B., A.M., C.E.	†1904
PANCOAST, WILLIAM HENRY, A.B., A.M., M.D.	†1897
CLASS OF 1854.	
ARTHUR FREDERICK, JR., A.M.	†1891
CADBURY, JOHN WARDER, A.B.	, ,
Locust Ave., Germantown, Phila., Pa.	
GARRETT, JOHN BIDDLE, A.B.	
Rosemont, Pa.	
Scull, David, A.B.	
113 South Fourth St., Philadelphia, Pa.	

## CLASS OF 1855.

BETTLE, SAMUEL, A.B.,
HUBBARD, JOHN RUSSELL, A.B., A.M.
Wichita, Kas.

†1859

†1874

## CLASS OF 1856.

Beesley, Bartholomew Wistar, A.B. 28 West Coulter St., Germantown, Phila., Pa.

CADBURY, JOEL, JR., A.B.

1502 Green St., Philadelphia, Pa.

Comfort, Jonathan Jones, A.B., M.D. Soldiers' Home, Hampton, Va.

WALTON, JAMES M., A.B.

Wood, Edward Randolph, A.B., A.M. 400 Chestnut St., Philadelphia, Pa.

## CLASS OF 1857.

CHEYNEY, JESSE SHARPLESS, A.B., A.M.
1322 North Redfield St., Philadelphia, Pa.

MENDENHALL, CYRUS, A.B. †1858 WOOD, STEPHEN, A.B. †1890

## CLASS OF 1858.

Burgess, Thomas Harvey, A.B. †1893

CLARK, THOMAS, A.B.

Centreville, Ind.

Hunt, Daniel Williams, A.B. †1898 Satterthwaite, Samuel T., A.B. †1865 Tyler, William Graham, A.B.
3638 Chestnut St., Philadelphia, Pa.
Wistar, Thomas, A.B., A.M., M.D.
51 East Penn St., Germantown, Phila., Pa.
Yarnall, Ellis Horner, A.B., LL.B.
3824 Spruce St., Philadelphia, Pa.

## CLASS OF 1859.

CHASE, RICHARD WYATT, A.B. †1865 MAGEE, JAMES RONALDSON, A.B. 1720 Walnut St., Philadelphia, Pa. PAXSON, RICHARD C., A.B. †1864 RHOADS, EDWARD, A.B., M.D. †1871 SAMPSON, EDWARD COBB. A.B. 58 Reade St., New York City. SAMPSON, GEORGE, A.B., †1872 SHARPLESS, ABRAM, A.B., M.D. Eugene City, Oregon. SMITH, BENJAMIN HAYES, A.B. 4704 Chester Ave., Philadelphia, Pa.

#### CLASS OF 1860.

CLARK, LINDLEY MURRAY, A.B. †1861
CORBIT, WILLIAM BRINTON, A.B., M.D. †1872
CORLIES, WILLIAM MOORE, A.B. †1881
LINDLEY, CYRUS, A.B.
Sacramento, Cal.
MORRIS, FREDERICK WISTAR, A.B.

1608 Market St., Philadelphia, Pa.

Morris, Theodore Hollingsworth, A.B. 1608 Market St., Philadelphia, Pa.

PANCOAST, RICHARD, A.B.

15 Gold St., New York City.

PINKHAM, JOHN WARREN, A.B., M.D.

†1894

RICHARDSON, FRANCIS, A.B.

Norfolk, Va.

SMITH, CLEMENT LAWRENCE, A.B., A.B., A.M., LL.D. 64 Sparks St., Cambridge, Mass.

Tyson, James, A.B., A.M., M.D.

1506 Spruce St., Philadelphia, Pa.

UNDERHILL, SILAS ALBERTSON, A.B., LL.B. 26 Court St., Brooklyn, N. Y.

#### CLASS OF 1861.

BETTLE, CHARLES, A.B. †1883

BETTLE, EDWARD, JR., A.B.

514 Walnut St., Philadelphia, Pa.

BETTLE, HENRY, A.B. †1886

BROOMALL, WILLIAM BOOTH, A.B.

Chester, Pa. JONES, CHARLES HENRY, A.B.

Le Mars, Iowa.

LAMB, THOMAS WHITE, A.B., M.D., †1878

Potts, William Newlin, A.B. Wayne, Pa.

STUART, JEHU HARLAN, A.B., A.M., M.D. 1811 Portland Ave., Minneapolis, Minn.

THOMAS, JOHN CLAPP, A.B. 1333 Bolton St., Baltimore, Md.

#### CLASS OF 1862.

COATES, HENRY TROTH, A.B., A.M. Berwyn, Pa. HADLEY, SAMUEL ALLEN, A.B. †1864 LIPPINCOTT, HORACE GREENOUGH, A.B. 20 North Delaware Ave., Philadelphia, Pa. MELLOR, GEORGE BROWN, A.B. West Chester, Pa. WILLIAMS, HORACE, A.B., M.D.

1717 Pine St., Philadelphia, Pa.

Wood, Isaac Francis, A.B.

†1895

## CLASS OF 1863.

BATTEY, THOMAS JESSE, A.B. A.M. Moses Brown School, Providence, R. I. Coates, George Morrison, A.B., A.M.

†1894

COATES, WILLIAM MORRISON, A.B. 127 Market St., Philadelphia, Pa.

JONES, RICHARD THOMAS, A.B. MORRIS, WILLIAM HENRY, A.B. †1869

1608 Market St., Philadelphia, Pa. PINKHAM, JOSEPH GURNEY, A.B., A.M., M.D.

Lynn, Mass.

## CLASS OF 1864.

ANGELL, FRANKLIN, A.B., A.M. †188<sub>2</sub> ASHBRIDGE, WILLIAM, A.B., M.D. †1884 COATES, EDWARD HORNOR, A.B. 5321 Baynton St., Germantown, Phila., Pa.

Cooper, Howard Mickle, A.B., A.M.	
106 Market St., Camden, N. J.	
GARRETT, ALBIN, A.B.	
Westtown, Pa.	
LONGSTRETH, MORRIS, A.B., A.B., A.M., M.D.	
1416 Spruce St., Philadelphia, Pa.	
PANCOAST, ALBERT, A.B.	†1898
ROBERTS, CHARLES, A.B.	†1902
SAMPSON, ELIJAH POPE, A.B.	†1893
Scull, Edward Lawrence, A.B.	†1884
Wood, Randolph, A.B.	†1876
CLASS OF 1865.	
Bringhurst, John Richardson, A.B.	†1903
Brown, Edward Taylor, A.B.	†1892
CHASE, JAMES ANTHONY, A.B.	
239 West Broad St., Hazleton, Pa.	
Downing, Joseph Miller, A.B.	
P. O. Box, 217, Wilmington, Del.	
HAVILAND, ARTHUR, A.B.	1 6"
1741 Crane Place, Tremont P. ()., New York	rk City.
NICHOLS, DAVID HOLDER, A.B.	†1865
SHARPLESS, HENRY WILLIAMS, A.B.	
Ogontz, Pa.	
SMITH, GEORGE, JR., A.B.	†1872
TABER, ROBERT BARNEY, A.B., A.M.	†1905
	1 /- 3

THOMAS, ALLEN CLAPP, A.B., A.M.

Haverford College, Haverford, Pa.

Vail, Benjamin Augustus, A.B. Rahway, N. J.

WISTAR, CALEB CRESSON, A.B. 5355 Knox St., Germantown, Phila.

#### CLASS OF 1866.

ELLIOTT, AARON MARSHALL, A.B., A.B., A.M., Ph.D., LL.D.

Johns Hopkins University, Baltimore, Md.

Valentine, Benjamin Eyre, A.B., *LL.B.* 26 Court St., Brooklyn, N. Y.

## CLASS OF 1867.

ASHBRIDGE, GEORGE, A.B., A.M., LL.B. Lawrence, Kans. ASHBRIDGE, JOHN, A.B. †1881 CLARK, WILLIAM PENN, A.B., A.M., LL.B. Index. Texas. COLLINS, SAMUEL CRAFT, A.B., A.M. 11900 CRENSHAW, NATHANIEL BACON, A.B. †1903 DARLINGTON, CHARLES HOWARD, A.B., A.M. Phœnixville, Pa. Dorsey, William Tagart, A.B., M.D. †1870 ESHLEMAN, BENJAMIN FRANKLIN, A.B. **†1903** JONES, RICHARD MOTT, A.B., A.M., LL.D., LL.D. Haverford, Pa. SHARPLESS, CHARLES WILLIAMS, A.B. †188a WOOD, WALTER, A.B. 400 Chestnut St., Philadelphia, Pa.

†188<sub>3</sub>

#### CLASS OF 1868.

Cook, Edward Hanson, A.B. North Vassalboro, Me.

COPE, ALEXIS THOMAS, A.B.

SATTERTHWAITE, BENJAMIN CADWALLADER, A.B. Address unknown.

STARR, LOUIS, A.B., M.D.

1818 Rittenhouse Sq., Philadelphia, Pa.

Tomlinson, Samuel Finley, A.B., A.M. Durham. Me.

WILLS, JOSEPH HENRY, A.B., A.M., M.D. Cooper Hospital, Camden, N. J.

## CLASS OF 1869.

Congdon, Johns Hopkins, A.B. Providence, R. I.

COPE, HENRY, A.B.

"Awbury," Germantown, Phila.

ESTES, LUDOVIC, A.B., *A.M.*, *Ph.D.* †1898 EVAUL, HENRY, A.B., A.M. †1877

KAIGHN, WILLIAM BARTRAM, A.B. †1876

King, Pendleton, A.B., A.M.

Department of State, Washington, D. C.

RANDOLPH, WILLIAM HENRY, A.B. Atlantic City, N. J.

TAYLOR, EDWARD BALLINGER, A.B., B.C.E., M.C.E. 1003 Penn Ave., Pittsburgh, Pa.

Taylor, William Shipley, A.B. 6020 Overbrook Ave., Philadelphia, Pa.

WHITLOCK, JAMES GILBERT, A.B.

Richmond, Va.

Wood, Henry, A.B., Ph.D.

Johns Hopkins University, Baltimore, Md.

WOOD, WALTER, A.B.

New Bedford, Mass.

## CLASS OF 1870.

Brown, James Stuart, A.B.

835 Ridge Ave., Allegheny, Pa.

CAREY, JOHN ELLICOTT, A.B.

73 West German St., Baltimore, Md.

COALE, ALFORD GABLE, A.B.

Address unknown.

COMFORT, HOWARD, A.B.

529 Arch St., Philadelphia, Pa.

HILLES, THOMAS ALLEN, A.B.

Hilles & Jones Co., Wilmington, Del.

Hubbard, William Harrison, A.B., M.D.

Monrovia, Ind.

Longstreth, Thomas Kimber, A.B., A.M.

OWEN, OLIVER, A.B., A.M.

Clinton, Oneida County, N. Y.

Pratt, Charles Eadward, A.B., A.M.

Rose, David Franklin, A.B.

Chester, Pa.

STEELE, JOHN DUTTON, A.B.

Wood, Charles, A.B., A.M., D.D.

Overbrook, Pa.

WOOD, STUART, A.B., Ph.D.

400 Chestnut St., Philadelphia, Pa.

†1898

†1883

†1886

## CLASS OF 1871.

Brown, Henry Graham, A.B.

5050 Forbes St., Pittsburgh, Pa.

Evans, William Penn, A.B.

†1893

Garrigues, John Sharpless, A.B. Bryn Mawr, Pa.

Haines, Reuben, A.B., A.M.

Haines St., Germantown, Phila.

HAINES, WILLIAM HENRY, A.B.

1136 Ridge Ave., Philadelphia, Pa.

Hartshorne, Joseph, A.B. Pottstown, Pa.

Hoskins, Jesse Franklin, A.B.

Summerfield, N. C.

Moore, Walter Thomas, A.B.

121 West Coulter St., Germantown, Phila.

Reeves, Ellis Biddle, A.B. Phœnixville, Pa.

ROBERTS, ALFRED REGINALD, A.B.

11901

TAYLOR, CHARLES SHOEMAKER, A.B.

Haverford, Pa.

THURSTON, EDWARD DAY, A.B.

24 Corlears St., New York City.

Winslow, Randolph, A.B., A.M., M.D.
1900 Mount Royal Terrace, Baltimore, Md.

## CLASS OF 1872.

Ashbridge, Richard, A.B., M.D.

326 South Twenty-fourth St., Philadelphia, Pa.

CADBURY, RICHARD TAPPER, A.B., A.B., A.M. Haverford, Pa.

CAREY, JAMES, JR., A.B., LL.B. 838 Park Ave., Baltimore, Md.

Downing, Thomas Stalker, Jr., A.B. Whitford, Pa.

Erben, Walter, A.B. 2021 Delancey St., Philadelphia, Pa.

Estes. Thomas Rowland, A.B.

Forsythe, John Evans, A.B.

Media, Pa.

GIBBONS, WILLIAM HENRY, A.B., A.M. Ardmore. Pa.

Gummere, Francis Barton, A.B., A.B., A.M., Ph.D. Haverford College, Haverford, Pa.

Haines, Caspar Wistar, A.B., A.M., C.E. Cheltenham, Pa.

Huston, Abram Francis, A.B. Coatesville. Pa.

KIMBER, MARMADUKE COPE, A.B., A.M.

†1877

†1898

Longstreth, William Morris, A.B.

Knox and Penn Sts., Germantown, Phila.

THOMAS, RICHARD HENRY, A.B., M.D.

**†**1904

## CLASS OF 1873.

COMFORT, JAMES COOPER, A.B.
5343 Knox St., Germantown, Phila.

COPE, THOMAS PIM, JR., A.B.

"Awbury," Germantown, Phila.

EMLEN, GEORGE WILLIAMS, A.B.

Washington Lane, Germantown, Phila.

Fox, Joseph Mickle, A.B.

221 South Fifth St., Philadelphia, Pa.

Haines, Henry Cope, A.B. †1900

Lowry, Benjamin Howard, A.B., A.M. †1902

Sampson, Alden, A.B., A.B., A.M., A.M.

Haverford, Pa.

Tomlinson, Julius Lines, A.B., A.M.

†1890

## CLASS OF 1874.

ALLINSON, EDWARD PEASE, A.B., A.M.

†1901

Bullock, John Griscom, A.B., Ph.G.

121 West Coulter St., Germantown, Phila., Pa.

EMLEN, JAMES, A.B.

328 Chestnut St., Philadelphia, Pa.

HARTSHORNE, CHARLES ROBINSON, A.B., LL.B. Brighton, Md.

HILLES, SAMUEL ELI, A.B.

3264 Delaware Ave., Avondale, Cincinnati, O.

Jones, John Barclay, A.B.

134 West Baltimore Ave., Lansdowne, Pa.

KIRKBRIDE, MAHLON, A.B.

†188g

PRICE, THEOPHILUS PHARO, A.B.

Tuckerton, N. J.

THOMPSON, JAMES BEATIN, A.B.

2212 Walnut St., Philadelphia, Pa.

TROTTER, JOSEPH, A.B.

322 Walnut St., Philadelphia, Pa.

## CLASS OF 1875.

BISPHAM, EDWARD KOONS, A.B.

2313 Delancey Place, Philadelphia, Pa.

Brown, Alonzo, A.B., A.M.

4048 Chestnut St., Philadelphia, Pa.

Davis, James Franklin, A.B., A.M.

Guilford College, N. C.

Haines, Charles Edward, A.B.

1136 Ridge Ave., Philadelphia, Pa.

HUNT, WILLIAM, JR., A.B.

HUSTON, CHARLES LUKENS, A.B.

Coatesville, Pa.

NEWLIN, HAROLD PARKER, A.B.

Address unknown.

Pharo, Walter Willits, A.B.

Twenty-second St. and Washington Ave., Philadelphia, Pa.

†1808

TEBBETTS, CHARLES EDWIN, A.B., A.M., A.M., Ph.D. Pasadena, Cal.

WHITE, MILES, JR., A.B.

1216 North Calvert St., Baltimore, Md.

## CLASS OF 1876.

ALLINSON, FRANCIS GREENLEAF, A.B., A.B., A.M., A.M., Ph. D.

Brown University, Providence, R. I.

BISPHAM, DAVID SCULL, A.B.

Care of Page & Page, West End Trust Building, Philadelphia, Pa.

11885

†1881

COLTON, REUBEN, A.B.
915 Boylston St., Boston, Mass.

DUDLEY, HENRY WILSON, A.B. Address unknown.

GIFFORD, SETH KELLEY, A.B., A.M., *Ph.D.*Moses Brown School, Providence, R. I.

Hobbs, Lewis Lyndon, A.B., A.M. Guilford College, N. C.

HOLME, RICHARD HENRY, A.B.
1140 Druid Hill Ave., Baltimore, Md.

KIMBER, THOMAS WILLIAM, A.B.

Longstreth, Charles Albert, A.B. 228 Market St., Philadelphia, Pa.

Nicholson, John Whitall, A.B. Moorestown, Burlington County, N. J.

ROBERTS, PERCIVAL, Jr., A.B. 201 South Fourth St., Philadelphia, Pa.

TAYLOR, FRANK H., A.B., A.B. 7422 Penn Ave., Pittsburgh, Pa.

Taylor, Howard Gardiner, A.B. Riverton, Burlington County, N. J.

TAYLOR, LEWIS ALFRED, A.B.

## CLASS OF 1877.

Anderson, Isaac W., A.B. Tacoma, Wash.

Baily, Frederick Lang, A.B. Ardmore, Pa.

Forsythe, Isaac, A.B. Media, Pa. Krider, James Delaplaine, A.B., *Ph.D.*1709 North Sydenham St., Philadelphia, Pa.

MERCER, GEORGE GLUYAS, A.B., *LL.B.*, *LL.M.*, *J.C.D.* 1131-33 Land Title Building, Philadelphia Pa.

SMITH, WILLIAM FOULKE, S.B.

St. Clairsville, O.

Townsend, Wilson, A.B. Longdale, Alleghany County, Va.

## CLASS OF 1878.

Baily, Albert Lang, A.B. Haverford, Pa.

Baily, Henry, A.B., A.B., A.M. 23 Court St., Boston, Mass.

CAREY, FRANCIS KING, A.B., A.M., *LL.B.*301 North Charles St., Baltimore, Md.

Comfort, Edward Thomas, A.B. 5343 Knox St., Germantown, Phila.

Crosman, Charles Sumner, A.B., A.B., LL.B. Haverford, Pa.

Eldridge, Jonathan, S.B. West Cheser, Pa.

FORSYTHE, EDWARD, S.B.

Address unknown.

Frazier, Cyrus Piggott, S.B., A.B., A.M. Greensboro, N. C.

Haines, Robert Bowne, Jr., S.B.
156 West School Lane, Germantown, Phila.

HILL, SAMUEL, A.B., A.B. 214 Cherry St., Seattle, Wash.

REYNOLDS, LINDLEY MURRAY HOAG, A.B. Archdale, Randolph County, N. C.

SMILEY, DANIEL, JR., A.B.
Mohonk Lake, Ulster County, N. Y.

STOKES, HENRY NEWLIN, S.B., Ph.D.
U. S. Geological Survey, Washington, D. C.

TAYLOR, HENRY LONGSTREET, A.B., A.M., M.D. 75 Lowry Arcade, St. Paul, Minn.

Thomas, John Mickle Whitall, A.B. Haverford, Pa.

WHITE, GEORGE WILSON, A.B. Guilford College, N. C.

## CLASS OF 1879.

BISPHAM, SAMUEL, JR., A.B. 2306 Delancy Place, Philadelphia, Pa.

GIBBONS, EDWARD, A.B.

†1891

GIFFORD, JOHN HENRY, A.B., M.D. Fall River, Mass.

HENDERSON, FRANCIS, A.B., LL.B.
Green and Coulter Sts., Germantown, Phila.

LOWRY, WILLIAM CHALKLEY, A.B. 46 South Front St., Philadelphia, Pa.

Newkirk, John Bacon, A.B. 2110 Arch St., Philadelphia, Pa.

SHEPPARD, JOHN E., A.B., M.D. 108 Pierrepont St., Brooklyn, N. Y.

#### CLASS OF 1880.

BISHOP, WILLIAM, S.B. Rahway, N. J.

Brédé, Frederick Karl, A.B., S.B., A.M. 3931 Baltimore Ave., Philadelphia, Pa.

CORBIT, ALEXANDER PETERSON, S.B. Odessa, Del.

Cox, Charles Ellwood, A.B., A.M. 855 Chapman St., San José, Cal.

Edwards, Josiah Pennington, A.B. Spiceland, Ind.

Gause, Charles Edward, Jr., S.B. 406 North Forty-second St., Philadelphia, Pa.

Jones, Edward Magarge, S.B.

143 West Coulter St., Germantown, Phila.

Lynch, James Lewis, A.B. Wanamaker, Mo.

Mason, Samuel, Jr., A.B. Locust Ave., Germantown, Phila.

PERRY, WILLIAM FRANCIS, A.B.

The Aldine Hotel, Chestnut, above Nineteenth St., Philadelphia, Pa.

RHOADS, JOSEPH, A.B., A.M. Moylan, Pa.

#### CLASS OF 1881.

BLAIR, WILLIAM ALLEN, A.B., A.B., A.M. Winston, N. C.

Brinton, Walter, S.B. Frankford, Philadelphia, Pa.

CAREY, ANTHONY MORRIS, A.B.
1004 Cathedral St., Baltimore, Md.

Collins, William Henry, S.B., A.M. Haverford, Pa.

Cook, Joseph Horace, S.B.

713 Filbert St., Philadelphia, Pa.

EDWARDS, LEVI TALBOT, A.B., A.M.

Haverford College, Haverford, Pa.

Forsythe, Davis Hoopes, S.B.

Coulter St., Germantown, Phila.

Hartshorne, Edward Yarnall, A.B. Merion, Pa.

Johnson, Isaac Thorne, A.B., A.M.

1006-1016 Arch St., Philadelphia, Pa.

Kennard, Edwin Orson, A.B. Glendora, Cal.

Moore, Jesse Hollowell, A.B.

Washington College, Tenn.

PAGE, WILLIAM ENOCH, A.B., A.B. Dungeness, Fernandina, Fla.

Price, Walter Ferris, A.B., A.M., A.M. 731 Walnut St., Philadelphia, Pa.

SMITH, ALBANUS LONGSTRETH, S.B.
East Penn St., Germantown, Phila., Pa.

Winslow, Thomas Newby, A.B. Belvidere, N. C.

Winston, John Clark, A.B. 1006-1016 Arch St., Philadelphia, Pa.

#### CLASS OF 1882.

Barton, George Aaron, A.B., A.M., A.M., Ph.D. Bryn Mawr College, Bryn Mawr, Pa.

COFFIN, JOHN ELIHU, S.B. Klamathon, Cal.

CORBIT, DANIEL, S.B. Odessa. Del.

Cox, Isaac Milton, A.B.

Kilauca, Kauai County, Hawaii.

Crosman, George Loring, S.B. Saco, Me.

HAZARD, RICHARD BOWNE, A.B.
732 Boston Block, Minneapolis, Minn.

Jones, Frederick Dilwin, S.B. 226 West First St., Los Angeles, Cal.

JONES, WILMOT RUFUS, A.B.

Ren Avon Allegheny

Ben Avon, Allegheny City, Pa. Leeds, Wilmer Pancoast, A.B.

Morgan, Jesse Henley, A.B.

Lowell, Kans.

PALMER, THOMAS CHALKLEY, S.B. Media, Pa.

RANDOLPH, EDWARD, A.B.
127 Thirty-second St., Newport News, Va.

WINSTON, LINDLEY MURRAY, S.B. Redlands, Cal.

## CLASS OF 1883.

†1885

Baily, William Loyd, S.B. Ardmore, Pa.

Blanchard, John, A.B., *LL.B.*Bellefonte, Pa.

Briggs, Frank Elwood, A.B.

104 West Ninetv-fifth St., New York City.

COLLINS, STEPHEN WILLETS, S.B., LL.B.

69 Wall St., New York City.

Edwards, David William, S.B.

2026 North New Jersey St., Indianapolis, Ind.

Evans, George Henry, A.B.

Indianapolis, Ind.

Scull, William Ellis, S.B.

Overbrook, Pa.

SHOEMAKER, SAMUEL BINES, A.B., M.D.

**†18**93

SPRUANCE, JOHN SPOTSWOOD, S.B.

1211 Delaware Ave., Wilmington, Del.

STUART, FRANCIS BACON, A.B.

Care of Union Stock Yards, El Paso, Tex.

THOMAS, BOND VALENTINE, A.B.

Tiffany Art Works, 333 Fourth Ave., New York City.

WHITE, WILLIAM ALPHEUS, S.B.

Brunswick, Randolph County, N. C.

WHITNEY, CHARLES HENRY, S.B.

Bryn Mawr, Pa.

WHITNEY, LOUIS BUTLER, S.B.

Sewickley, Pa.

WORTHINGTON, THOMAS KIMBER, A.B., LL.B., Ph.D. Lancaster, Pa.

#### CLASS OF 1884.

ALLEN, JOHN HENRY, A.B., A.M.

810 Rudd Ave., Cañon City, Col.

BATES, ORREN WILLIAM, A.B., LL.B.

Oneco, Conn.

CHASE, THOMAS HERBERT, A.B., A.B. Harvard University, Cambridge, Mass.

Haines, William Jones, A.B.
124 South Van Pelt St., Philadelphia, Pa.

HALL, ARTHUR DILLWYN, A.B.

Morgan Hall Preparatory School, Minneapolis, Minn.

HILL, LOUIS TABER, S.B. Springdale, Ia.

JACOB, CHARLES RICHARD, A.B.
Moses Brown School, Providence, R. I.

Moore, Walter Linton, S.B.

Moorestown, N. J.

SMITH, ALFRED PERCIVAL, A.B., A.B., LL.B. 704-705 Girard Building, Philadelphia, Pa.

VAUX, GEORGE, Jr., S.B., *LL.B.*404 Girard Building, Philadelphia, Pa.

WHITE, FRANCIS ALBERTSON, L.B.
1221 North Calvert St., Baltimore, Md.

## CLASS OF 1885.

Baily, Charles Winter, S.B. 15 Bank St., Philadelphia, Pa.

Bettle, Samuel, A.B. Haverford, Pa.

BLAIR, JOHN JAY, S.B.
Wilmington, N. C.
DOAN, ENOS L., A.B.

FERRIS, WILLIAM TABER, A.B.

149 Broadway, New York City.

11000

HILLES, WILLIAM SAMUEL, A.B.
1002 King St., Wilmington, Del.

Hussey, William Timothy, A.B. North Berwick, Me.

Jones, Arthur Winslow, A.B., A.M. South China, Me.

Jones, Rufus Matthew, A.B., A.M., Litt.D. Haverford College, Haverford, Pa.

MARKLEY, JOSEPH LYBRAND, A.B., S.B., A.M., A.M., Ph.D. University of Michigan, Ann Arbor, Mich.

MORRIS, MARRIOTT CANBY, A.B. 6706 Cresheim Road, Germantown, Phila.

Murray, Augustus Taber, A.B., Ph.D. Stanford University, Cal.

Newlin, Thomas, S.B., A.M. Guilford College, N. C.

Reeve, Augustus Henry, A.B. Moorestown, N. J.

REEVE, WILLIAM FOSTER, A.B. 31 Market St., Camden, N. J.

RICHARDS, THEODORE WILLIAM, S. B., A.B., A.M., Ph.D. Harvard University, Cambridge, Mass.

Sutton, Isaac, A.B., A.B., A.M., A.M. 533 Cooper Building, Denver, Col.

WHITE, ELIAS HENLEY, A.B., LL.B.
700 West End Trust Building, Philadelphia, Pa.

Wickersham, William Frederick, A.B., A.M. Westtown, Pa.

WILSON, MATTHEW TERRELL, S.B.

†1801

#### CLASS OF 1886.

BETTS, THOMAS WADE, S.B.

†1893

DICKINSON, JONATHAN, JR., A.B., A.M. Onsted, Mich.

JOHNSON, GUY ROCHE, S. B. Longdale, Va.

McFarland, William Stuart, S.B.

Care of River, Furnace and Dock Co., Cleveland, O.

Morris, Israel, Jr., S.B.

†1894

Morris, William Paul, S.B. Berwyn, Pa.

Scott, Alexander Harvey, A.B., LL.B.

1806 South Rittenhouse Sq., Philadelphia, Pa.

SMITH, HORACE EUGENE, A.B., A.B.

1108 Spruce St., Philadelphia, Pa.

Underhill, Alfred Mott, Jr., S.B.

†1901

WADSWORTH, EDWARD DORLAND, A.B., LL.B.

133 South Twelfth St., Philadelphia, Pa.

WHITE, WILFRED WALTON, S.B.

Care of Henry Holt & Co., 378 Wabash Ave., Chicago, Ill.

## CLASS OF 1887.

Adams, Jedediah Howe, A.B., M.D. 2417 Spruce St., Philadelphia, Pa.

†1889

Baily, Arthur Hallam, S.B. Bedell, Charles Hampton, S.B., A.M.

Avenue A and North St., Bayonne City, N. J.

CASSATT, EDWARD BUCHANAN, A.B.

Haverford, Pa.

CLEMENT, ALLEN BALLINGER, S.B., A.M., LL.B.
119 South Fourth St., Philadelphia, Pa.

Evans, Horace Young, Jr., S.B. Redlands, Cal.

FUTRELL, WILLIAM HARRISON, A.B., LL.B. Haverford, Pa.

GARRETT, ALFRED COPE, A.B., A.B., A.M., Ph.D. 705 Church Lane, Germantown, Phila.

GODDARD, HENRY HERBERT, A.B., A.M., *Ph.D.*State Normal School, West Chester, Pa.

HAZARD, WILLIS HATFIELD, A.B., A.M., Ph.D., B.D. West Chester. Pa.

Lesley, Hugh, S.B. 2220 Venango St., Tioga, Philadelphia, Pa.

Morris, Paschall Hollingsworth, B.E. Rosemont, Pa.

NEWHALL, BARKER, A.B., A.M., *Ph.D.* Kenyon College, Gambier, O.

Philips, Jesse Evans, Jr., A.B., A.M. Kennett Square, Pa.

Stokes, Henry Warrington, A.B.
Bowling Green Building, New York City.

Strawbridge, Fredrick Heap, A.B. 801 Market St., Philadelphia, Pa.

Trimble, William Webster, S.B. †1891

WHITE, RICHARD JANNEY, A.B.
13 North St., Baltimore, Md.

Wood, George Bacon, A.B. †1894

Wood, WILLIAM CONGDON, A.B.
51 Fifth Ave., New York City.

#### CLASS OF 1888.

BATTEY, CHARLES HEATON, S.B.

284 Lloyd St., Providence, R. I.

Beidelman, Lawrence Peterson, B. E. Tyler, Tex.

CORBIT, JOHN COWGILL, JR., S.B.
1136 Ridge Ave., Philadelphia, Pa.

Cox, Exum Morris, A.B. Santa Rosa, Cal.

England, Howell Stroud, A.B., A.M.

3 East Ninth St., Wilmington, Del.

Gummere, Henry Volkmar, S.B., A.M., A.M.
Drexel Institute, Thirty-second and Chestnut Sts.,
Philadelphia, Pa.

HARTSHORNE, FRANCIS COPE, S. B., A.M., LL.B. Kittanning, Pa.

HILLES, JOSEPH TATUM, A.B.
1002 King St., Wilmington, Del.

JOHNSON, JOSEPH ESREY, JR., B.E., M.E., M.M.E. Longdale, Va.

LEEDS, MORRIS EVANS, S.B.

3221 North Seventeenth St., Philadelphia, Pa.

LEWIS, WILLIAM DRAPER, S.B., *LL.B.*, *Ph.D.*Office of the Dean, Dep't of Law, Thirty-fourth and Chestnut Sts., Philadelphia, Pa.

Morris, Frederick Wistar, Jr., B. E. 1608 Market St., Philadelphia, Pa.

Morris, Richard Jones, B. E.
150 West Horter St., Germantown, Phila., Pa.

ROBERTS, GEORGE BRINTON, S. B. Bala, Pa.

Sharp, Joseph Webster, Jr., A.B. 1136 Ridge Ave., Philadelphia, Pa.

SLOCUM, ALLISON WING, A.B., A.M., A.M., Ph.D. University of Vermont, Burlington, Vt.

STUBBS, MARTIN BELL, A.B., A.M., *Ph.D.*Santo Domingo, West Indies.

## CLASS OF 1889.

BANES, ROBERT COLEMAN, A.B.
2021 Spring Garden St., Philadelphia, Pa.

Branson, Thomas Franklin, A.B., *M.D.*Rosemont. Pa.

Burr, Charles Henry, Jr., A.B., A.M., LL.B. 254 South Twenty-third St., Philadelphia, Pa.

DUNTON, WILLIAM RUSH, JR., S.B., A.M., M.D. Towson, Md.

Evans, Thomas, A.B. Church Lane, Germantown, Phila.

FITE, WARNER, A.B., Ph.D.
University of Texas, Austin, Tex.

GOODWIN, WARREN CLARKSON, A.B., M.D. 3742 Powelton Ave., Philadelphia, Pa.

Haughton, Victor Mellet, A.B. Exeter, N. H.

KIRKBRIDE, FRANKLIN BUTLER, A.B. 1406 Spruce St., Philadelphia, Pa.

LEEDS, ARTHUR NEWLIN, S.B., A.M.
3221 North Seventeenth St., Philadelphia, Pa.

Lewis, Daniel Clark, A.B. Millville, N. J.

Morris, Herbert, B.E. 5967 Overbrook Ave., Overbrook, Phila.

Morris, Lawrence Johnson, A.B. 1514 Spruce St., Philadelphia, Pa.

Overman, William Franklin, A.B., Moorestown, Burlington County, N. J.

· Painter, Joseph Henry, S.B., S.B. 243 Herman Ave., Dayton, O.

Peirson, Frank Warrington, A.B., A.M. Easingwold, Pasadena, Cal.

RAVENEL, SAMUEL PRIOLEAU, JR., A.B., *LL.B.* Asheville, N. C.

READE, WALTER GEORGE, A.B., A.B. St. Luke's School, Wayne, Pa.

Reinhardt, David Jones, S.B. 822 West St., Wilmington, Del.

Stevens, Lindley Murray, A.B., A.M. P. O. Box 525, Poughkeepsie, N. Y.

Stokes, John Stogdell, A.B. Moorestown, N. J.

THOMPSON, FRANK EARLE, S.B., A.M. Address unknown.

Todhunter, Layton Wilson, A.B., A.B. †1880

VAIL, FREDERIC NEILSON, A.B., A.M.

Russell-Vail Engineering Co., 135 South California St., Stockton, Cal.

Wood, GILBERT CONGDON, A.B.
51 Fifth Ave., New York City.

# CLASS OF 1890.

Angell, Edwart Mott, A.B., LL.B. Glens Falls, N. Y.

Auchincloss, James Stuart, A.B.

Care of N. W. Halsey & Co., 49 Wall St., New York City.

AUDENRIED, WILLIAM GRATTAN, JR., A.B. School Lane, Germantown, Phila.

Bringhurst, Henry Ryan, Jr., A.B. 1015 Park Place, Wilmington, Del.

COFFIN, THOMAS AMORY, S.B.

11 Taylor St., West New Brighton, S. I., N. Y.

COTTRELL, CHARLES THURSTON, A.B., A.M., *LL.B.* 309-310 Sears Building, Boston, Mass.

Darlington, Percy Smedley, S.B. West Chester, Pa.

DAVIES, GUY HULETT, A.B.

Office of the Attorney-General, Harrisburg, Pa.

FOX, ROBERT EASTBURN, A.B.

Care of S. L. Fox, Bryn Mawr, Pa.

GILBERT, HENRY LEE, A.B., A.M., Ph.D.

†1904

Guilford, William Moore, Jr., S.B.

Lebanon, Pa.
Guss, John Noble, S.B.

West Chester, Pa.

HALEY, EDWIN JAMES, S.B., A.M.

Ridgway, Pa.

HIBBERD, DILWORTH POTTS, S.B., A.M., LL.B.

Harrison Building, Fifteenth and Market Sts., Philadelphia, Pa. JENKINS, WILLIAM GRANT, A.B., A.B., C.E. Wilmington, O.

Kirkbride, Thomas Story, Jr., A.B., M.D.

11900

Lewis, John Frazier Taylor, B.E.

306 Real Estate Trust Building, Broad and Chestnut Sts., Philadelphia, Pa.

LONGSTRETH, EDWARD RHOADS, B.E.

Fifty-sixth St. and Springfield Ave., Philadelphia, Pa.

SIMPSON, WILLIAM PERCY, B.E.

Overbrook, Pa.

Steere, Jonathan Mowry, A.B., A.M.

Girard Trust Co., Broad and Chestnut Sts., Philadelphia, Pa.

TATNALL, ROBERT RICHARDSON, S.B., A.M., Ph.D. Northwestern University, Evanston, Ill.

Tevis, Alfred Collins, S.B. Haverford, Pa.

WALTON, ERNEST FORSTER, B.E.

†1902

## CLASS OF 1891.

Alger, Harry, A.B.

16 Walnut St., Newport, R. I.

Blair, David Hunt, A.B.

High Point, N. C.

HANDY, WILLIAM WINDER, S.B.
Ruxton, Baltimore County, Md.

Hoopes, Arthur, S.B.

P. O. Box 584, Coatesville, Pa.

HUTTON, JOHN WETHERILL, S.B., A.M. Westtown, Pa.

Mekeel, David Lane, S.B., M.E.

Jones & Laughlin Steel Co., South Side, Pittsburgh, Pa.

Morris, John Stokes, S.B., A.M.

Central High School, Philadelphia, Pa.

Thomas, George, 3D, S.B.

Whitford, Pa.

TODD, HENRY ARNOLD, A.B.

Friends' Select School, 140 North Sixteenth St., Philadelphia, Pa.

# CLASS OF 1892.

BLAIR, AUGUSTINE WILBERFORCE, S.B., A.M.
University of Florida, Lake City, Fla.

BRINTON, RICHARD, A.B.

"The Players," 16 Gramercy Park, New York City.

BRUMBAUGH, ISAAC HARVEY, A.B., A.B., A.M.

Seventeenth St., Huntingdon, Pa.

CADBURY, BENJAMIN, A.B., A.M.

1502 Green St., Philadelphia, Pa.

CARY, EGBERT SNELL, S.B.

Westtown, Pa.

Collins, Minturn Post, S.B.

659 Fifth Ave., New York City, N. Y.

COOK, CHARLES GILPIN, S.B., A.M., Ph.D. 815 Marcy Ave., Brooklyn, N. Y.

DENNIS, JOSEPH HENRY, A.B.

State Normal School, Bloomsburg. Pa.

DETWILER, WARREN H., A.B., A.M.

11903

HALL, RUFUS HACKER, A.B., M.D.

693 Broadway, Everett, Mass.

HART, WALTER MORRIS, A.B., A.M., A.M., Ph.D. University of California, Berkeley, Cal.

JENKS, WILLIAM PEARSON, S.B.
Cotton Exchange Building, New York City.

McAllister, Franklin, S. B. 1603 Green St., Philadelphia, Pa.

Muir, John Wallingford, S.B. 2316 Delancey Place, Philadelphia, Pa.

NICHOLSON, WILLIAM HOPKINS, JR., S.B. Care of Whitall, Tatum & Co., Millville, N. J.

PALEN, GILBERT JOSEPH, A.B., M.D. 127 Harvey St., Germantown, Phila.

SHIPLEY, WILLIAM ELLIS, S.B.

Machinery Department, Bourse, Philadelphia, Pa.

Stone, Ralph Warren, A.B., LL.B. Warren, Pa.

West, William Nelson Loflin, A.B., *LL.B.* Wynnewood, Pa.

Wood, Joseph Remington, S.B., A.M., Ph.G.

Care of S. M. Johnson, Greenwood and Jamaica Aves., Richmond Hill, Long Island, N. Y.

YARNALL, STANLEY RHOADS, A.B., A.M.
Friends' School, Coulter St., Germantown, Phila.

# CLASS OF 1893.

BAILEY, LESLIE ADELBERT, A.B., A.M. Lincoln, Me.

Brown, John Farnum, A.B.

Davis, Francis Franklin, S.B., A.M., A.M. 32 West Sixty-eighth St., New York City.

Estes, Wilbur Albert, A.B.

Sprague Mills, Me. (Please Forward.)

HAVILAND, WALTER WINCHIP, A.B.

140 North Sixteenth St., Philadelphia, Pa.

Hoag, Clarence Gilbert, A.B., A.B., A.M. Haverford, Pa.

Jacobs, Carrol Brinton, A.B., *LL.B.* West Chester, Pa.

Jones, George Lindley, A.B.

Oak Grove Seminary, Vassalboro, Me.

MORTON, ARTHUR VILLIERS, S.B. 517 Chestnut St., Philadelphia, Pa.

OKIE, JOHN MICKLE, S.B.

Girard Trust Co., Broad and Chestnut Sts., Philadelphia, Pa.

OSBORNE, CHARLES, A.B.

North Weare, N. H.

Rhoads, Charles James, A.B.

Girard Trust Co., Broad and Chestnut Sts., Philadelphia, Pa.

RHOADS, EDWARD, S.B., Ph.D.

†1903

Roberts, John, S.B.

Jamaica, Long Island, N. Y.

Sensenig, Barton, S.B., A.M.

122 West Mount Pleasant Ave., Mt. Airy, Philadelphia, Pa.

VAUX, WILLIAM SANSOM, JR., S.B.

807 Bailey Building, 1218 Chestnut St., Philadelphia, Pa.

WESTCOTT, EUGENE MARION, A.B. Shawano, Wis.

WHITALL, FRANKLIN, A.B.

†1894

Woolman, Edward, S.B.

44 North Thiry-eighth St., Philadelphia, Pa.

WRIGHT, GIFFORD KING, A.B.

Bakewell Building, Pittsburgh, Pa.

# CLASS OF 1894.

Bartlett, Jarvis Henry, S.B.
140 North Sixteenth St., Philadelphia, Pa.

Beyerle, George Albert, A.B.
22 Erie County Bank Building, Buffalo, N. Y.

CHASE, OSCAR MARSHALL, S.B., S.M. Haverford College, Haverford, Pa.

Collins, Charles, A.B., *LL.B.*Purchase, N. Y.

COMFORT, WILLIAM WISTAR, A.B., A.B., A.M., Ph.D. Haverford College, Haverford, Pa.

CONARD, HENRY SHOEMAKER, S.B., A.M., *Ph.D.*Johns Hopkins University, Baltimore, Md.

Dean, George Brookhouse, S.B., M.D. Poulan Cotton Mills, Poulan, Ga.

DE COU, JOHN ALLEN, A.B., A.B., A.M. Red Bluff, Cal.

FARR, CLIFFORD BAILEY, A.B., M.D. 326 South Seventeenth St., Philadelphia, Pa.

Green, Kane Stovell, S.B. Radnor, Pa.

HARVEY, ANSON BURLINGAME, S.B., A.M. 13 Sylvan St., Emporia, Kans.

HAUGHTON, JOHN PAUL, A.B.

325 Walnut St., Philadelphia, Pa.

Hughes, James Edward, A.B.

115 Walnut St., Philadelphia, Pa.

Morris, Samuel Wheeler, S.B.

Girard Trust Co., Broad and Chestnut Sts., Philadelphia, Pa.

PALMER, LOUIS JAQUETTE, A.B., LL.B.

711 Arcade Building, Philadelphia, Pa.

QUIMBY, EDWARD ENTWISSLE, S.B.

1645 K St., N.W., Washington, D. C.

REX, FRANK CLAYTON, A.B.

Care of Austin, Nichols & Co., 61 Hudson St., New York City.

RISTINE, FREDERICK PEARCE, A.B.

220-221 Mariner and Merchant Building, Third and Chestnut Sts., Philadelphia, Pa.

Scarborough, Henry Wismer Stover, S.B., A.M., LL.B. 6220 Baynton St., Germantown, Phila.

STOKES, FRANCIS JOSEPH, A.B.

704 Locust Ave., Germantown, Phila.

STRAWBRIDGE, WILLIAM JUSTUS, S.B.

School Lane, Germantown, Phila.

TABER, DAVID SHEARMAN, JR., A.B.

446 East One Hundred and Sixth St., New York City.

WILLIAMS, PARKER SHORTRIDGE, A.B.

711 Arcade Building, Fifteenth and Market Sts., Philadelphia, Pa.

# CLASS OF 1895.

Bettle, Samuel, Jr., A.B. La Fayette, Col.

Blanchard, Edmund, A.B., *LL.B.*. Bellefonte, Pa.

Brown, Samuel Hulme, A.B. Westtown, Pa.

CONKLIN, FRANK HENRY, A.B.
220-221 Mariner and Merchant Building, Third and Chestnut Sts., Philadelphia, Pa.

COOKMAN, CHARLES HOWLAND, A.B., B.D. 55 West Main St., Middletown, N. Y.

ENGLE, JAMES LINTON, A.B. 718 Arch St., Philadelphia, Pa.

Evans, Joseph Spragg, Jr., A.B., M.D. 231 South Thirteenth St., Philadelphia, Pa.

GOODMAN, WILLIAM, S. B., *A.B.*No. 6 "The Ortiz," Cincinnati, O.

HARRIS, HENRY JOHN, A.B.

Labor Department, Washington, D. C.

HAY, ARTHUR MOORHEAD, S.B.

510 Woodland Terrace, West Philadelphia, Pa. HAY, ERROLL BALDWIN, S.B. Wavne, Pa.

HILLES, WILLIAM SMEDLEY, S.B.

Care of *The Evening Bulletin*, Philadelphia, Pa.

LEEDS, JOHN Bacon, S.B.

Moorestown, Burlington County, N. J.

LIPPINCOTT, GEORGE, A.B., A.B. 21 North Water St., Philadelphia, Pa.

TAYLOR, CHARLES CLIFFORD, S.B.

612 Arcade Building, Philadelphia, Pa.

THOMAS, ALLEN CURRY, S.B., A.M., LL.B.

807 Land Title Building, Broad and Chestnut Sts. Philadelphia, Pa.

THOMAS, HENRY EVAN, S.B.

3714 Walnut S., Philadelphia, Pa.

Webster, Walter Coates, S.B., A.B.

103 Waverly Place, New York City.

## CLASS OF 1896.

Adams, Douglass Howe, A.B., A.B.

The Haverford School, Haverford, Pa.

ALLEN, GEORGE RAYMOND, A.B., A.B.

P. R. R. Freight Station, Pier 1, North River, New York City.

ALSOP, WILLIAM KITE, S.B.

30 Ferry St., New York City.

BETTLE, WILLIAM HENRY, S.B.

Oaklyn, N. J.

Brecht, Samuel Kriebel, S.B.

647 Haws Ave., Norristown, Pa.

Brooke, Mark, A.B.

Washington Barracks, Washington, D. C.

CLAUSER, MILTON, A.B.

3905 Goss St., Denver, Col.

COCA, ARTHUR FERNANDEZ, A.B., A.M., M.D.

122 South Thirty-third St., Philadelphia, Pa.

DEUELL, GEORGE HENRY, A.B.

Bangall, Duchess County, N. Y.

Haines, Thomas Harvey, A.B., A.M., A.M., Ph.D. Ohio State University, Columbus, O.

HARTLEY, ALBERT DEMPSEY, S.B. Herbertsville, N. J.

HINCHMAN, CHARLES RUSSELL, S.B. Cynwyd, Pa.

Hunsicker, John Quincy, Jr., S.B. 1420 Chestnut St., Philadelphia, Pa.

LESTER, JOHN ASHBY, A.B., A.M., A.M., Ph.D.
Penn Charter School, 8 South Twelfth St., Philadelphia, Pa.

MAIER, PAUL DAVID IRVIN, A.B., LL.B.
808-809 Bailey Building, 1218 Chestnut St., Philadelphia, Pa.

MIDDLETON, SAMUEL, S.B. Centreville, Md.

Nason, Charles Dickens, S.B., Ph.D. †1901

Scattergood, Joseph Henry, A.B., A.B. 3515 Powelton Ave., Philadelphia, Pa.

WAY, MARSHALL WARREN, S.B., LL.B.
1218 Chestnut St., Philadelphia, Pa.

Webster, Homer Jephtha, S.B., A.M. Mount Union College, Alliance, O.

Wood, Levi Holligsworth, A.B., LL.B. 2 Wall St., New York City.

# CLASS OF 1897.

Brown, Richard Cadbury, A.B., A.B., A.M. 2202 Decatur Place, N. W., Washington, D. C.

Burns, William John, S.B. 918 Chestnut St., Philadelphia, Pa.

DARLINGTON, MORTON PENNOCK, A.B.

Norway, Pa.

DEAN, MORRIS BURGESS, S.B.

"The Wilhelm," Avondale, Cincinnati, O.

DETWILER, FRANK HUGHES, S.B.

542 Swede St., Norristown, Pa.

FIELD, ELLIOT, A.B., A.M.

Felton, Del.

GILPIN, VINCENT, A.B., A.B.

West Chester, Pa.

HOFFMAN, BENJAMIN ROSE, A.B.

Girard Trust Co., Broad and Chestnut Sts., Philadelphia, Pa.

Howson, Charles Henry, A.B., LL.B.

Wayne, Pa.

Hume, John Elias, A.B., M.D.

900 South Forty-ninth St., New York City.

JACOBS, FRANCIS BRINTON, S.B., M.D.

334 South Nineteenth St., Philadelphia, Pa.

Maxfield, Francis Norton, A.B.

Friends' School, Coulter St., Germantown, Phila.

McCrea, Roswell Cheney, A.B., A.M., Ph.D. Bowdoin College, Brunswick, Me.

Mendenhall, Ottis Earl, A.B., A.B., A.M.

Lexington, N. C.

PALMER, GEORGE MORTON, S.B.

57 East Central Ave., Moorestown, N. J.

RODNEY, WARREN BROWN, A.B.

Broomall, Pa.

TATNALL, CHARLES GIBBONS, S.B.

Broad St. and Wyoming Ave., Philadelphia, Pa.

Taylor, William Jordan, S.B. 553 West Seventh St., Cincinnati, O.

THACHER, FRANK WILLIAM, S.B. Florence, N. J.

THOMAS, EDWARD, A.B.

440 Main St., Worcester, Mass.

WHITE, HENRY ALVA, S.B., S.B. High Point, N. C.

## CLASS OF 1898.

BUTLER, JAMES EDGAR, A.B.
Witherspoon Building, Philadelphia, Pa.

CADBURY, WILLIAM WARDER, A.B., A.M., M.D. 1502 Green St., Philadelphia, Pa.

Ellis, Richard Stanton, S.B. Motor, Ia.

Embree, John Gyger, S.B., A.M. Moorestown, N. J.

Haines, Alfred Sharpless, A.B., A.M. Westtown, Pa.

Haines, Joseph Howell, A.B. 5433 Wayne St., Germantown, Phila.

HARDING, ARTHUR SEARCH, A.B., A.B. Erben-Harding Co., Tacony, Pa.

HODGIN, SAMUEL HORACE, A.B., A.B. Oakwood Seminary, Union Springs, N. Y.

Janney, Walter Coggeshall, A.B. Ten Sleep, Wyo.

Jones, Davis Godfrey, S.B.

841 Market St., Wilmington, Del.

LEE, MORRIS MATTHEWS, A.B., A.B.

3528 North Eighteenth St., Philadelphia, Pa.

MOFFITT, OSCAR PAYTON, A.B., A.B. High Point, N. C.

RHOADS, SAMUEL, A.B., M.D.

152 School Lane, Germantown, Phila.

Ross, Eldon Roxy, S.B., A.B.

3 Heddon St., Regent St., London, W., England.

SCATTERGOOD, ALFRED GARRETT, A.M., A.B. 7231 Boyer St., Mt. Airy, Phila.

Stadelman, Frederic, A.B., LL.B.

42 Broadway, New York City.

Sterner, Ira Isbon, A.B., A.M. Keller's Church. Pa.

Strawbridge, Francis Reeves, S.B.

646 Westview St., Germantown, Phila.

SWAN, FREDERICK ASA, A.B. Los Angeles, Cal.

Taylor, Joseph Wright, S.B. Organ, N. M.

Wilson, Robert North, A.B. Gilford College, N. C.

WISTAR, THOMAS, A.B.

La Mott,, Phila., Pa.

Wood, Richard Davis, A.B.

Millville Manufacturing Co., Millville, N. J.

# CLASS OF 1899.

BATTEY, WILLIAM ALDRICH, S.B. 149 Broadway, New York City.

BAWDEN, WILLIAM JOHN, A.B. Frankford. Pa.

11000

BLAIR, WALTER ELIHU, A.B., A.B. . Greensboro, N. C.

Bode, William, A.B., A.B., A.M. Woden, Ia.

CARTER, JOHN DARLINGTON, S.B., A.M. 53 Price Ave., Lansdowne, Pa.

CONKLIN, EDWARD BOOTE, S.B.

DAVIS, ROYAL JENKINS, A.B., A.B. Guilford College, N.C.

DE Cou, Benjamin Satterthwaite, S.B. Moorestown, Burlington County, N. J.

Evans, Francis Algernon, A.B. "Awbury," Germantown, Phila., Pa.

Jones, Rufus Horton, A.B. 143 State St., Portland, Me.

LOWRY, HOWARD HAINES, A.B., A.B. 2115 Green St., Philadelphia, Pa.

LYCETT, EDWARD HOUGH, A.B. Haddonfield, N. J.

Maule, Alfred Collins, S.B. 21 South Twenty-first St., Philadelphia, Pa.

MELLOR, RALPH, S.B. 2130 Mt. Vernon St., Philadelphia, Pa.

Morris, Joseph Paul, A.B., A.M. Villa Nova, Pa.

Petty, Herbert Clinton, A.B., S.B. Crocker-Wheeler Co., Ampere, N. J.

Redfield, John Howard, Jr., S.B. Wayne, Pa.

RICHIE, ELISHA ROBERTS, S.B., M.D.

Moorestown, Burlington County, N. J.

SHIPLEY, MALCOLM AUGUSTUS, JR., A.B.

5105 Wayne Ave., Germantown, Philadelphia, Pa.

WALTER, FRANK KELLER, A.B., A.M.

Point Pleasant, Pa. (Please forward.)

WILD, ARTHUR CLEMENT, A.B., LL.B.

1610 Spruce St., Philadelphia, Pa.

# CLASS OF 1900.

Allen, Charles Jackson, S.B. Moorestown, N. J.

ALLEN, WILLIAM WILLIAMS, JR., A.B., A.B. Philadelphia National Bank, Philadelphia, Pa.

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BURDETTE, ROBERT JONES, JR., A.B.

Care of Burlington Hawkeye, Burlington, Ia.

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Knox and Coulter Sts., Germantown, Phila., Pa.

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East Washington Lane, Germantown, Phila., Pa.

Drinker, Henry Sandwith, Jr., A.B., *LL.B.* Haverford, Pa.

EMLEN, JOHN THOMPSON, A.B.

121 West Coulter St., Germantown, Phila., Pa.

ESHLEMAN, FRANK MERCUR, A.B.

Care of Justice, Bateman & Co., 122 South Front St., Philadelphia, Pa.

Febiger, Christian, S.B. 3421 Powelton Ave., Philadelphia, Pa.

Freeman, Edward Dale, A.B., *LL.B.*5 Nassau St., New York City.

HALLETT, HENRY McCLELLAN, A.B.

1208 Stephen Girard Building, 21 S. Twelfth St., Philadelphia, Pa.

HIATT, JAMES SMITH, A.B.

George School, Bucks County, Pa.

HINCHMAN, WALTER SWAIN, A.B., A.B., A.M. Groton School, Groton, Mass.

JENKS, HORACE HOWARD, A.B., M.D. 920 Clinton St., Philadelphia, Pa.

Justice, William Warner, Jr., S.B., A.B. 122 South Front St., Philadelphia, Pa.

Levick, Henry Lewis d'Invilliers, A.B. Bala, Pa.

LUTZ, FRANK EUGENE, A.B., A.M.
Cold Spring Harbor, Long Island, N. Y.

MIFFLIN, SAMUEL WRIGHT, A.B., A.B., LL.B. Wayne, Pa.

Moorhouse, John Kennedy, A.B. St. Paul's Mission, Bristol, Pa.

PEELLE, JONATHAN IRVING, S.B.

Los Angeles Heating Co., Los Angeles, Cal.

Sensenig, Heber, A.B.

Spring Grove, Pa. (Please forward.)

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TAYLOR, EDWARD BALLINGER, JR., A.B.

Akron Apartments, Centre and Craig Sts., Pittsburgh, Pa.

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Bullinger, Howard Valentine, A.B., A.B. 1510 Frankford Ave., Philadelphia, Pa.

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441 Locust Ave., Germantown, Philadelphia, Pa.

CAREY, CLIFTON O'NEAL, S.B. Wilmington, O.

De Armond, James Keyser, A.B. 932 Arch St., Philadelphia, Pa.

DE MOTTE, LAWRENCE WASHBURN, S.B. Greencastle, Ind.

Dewees, Aaron Lovett, A.B.
150 West Coulter St., Germantown, Phila., Pa.

Freeman, Alfred Edgar, A.B.
1926 North Broad St., Philadelphia, Pa.

KIRKBRIDE, WILLIAM HOWARD, S.B. Lewiston, Idaho.

MELLOR, WALTER, S.B.
2130 Mt. Vernon St., Philadelphia, Pa.

MENDENHALL, WILLIAM ORVILLE, A.B. Wilmington College, Wilmington, O.

Meredith, Clement Orestes, A.B. Guilford College, N. C.

NEILSON, WILLIAM LA COSTE, A.B. 3711 Chestnut St., Philadelphia, Pa.

Patton, Richard, A.B. Wayne, Pa.

ROSSMÄSSLER, EDWARD COLLINS, S.B.
607 Mill St., Germantown, Phila., Pa.

RUSH, CALVIN CICERO, S.B. 204 South Thiry-sixth St., Philadelphia, Pa.

Scull, Edward Marshall, A.B. 1006-1016 Arch St., Philadelphia, Pa.

Sensenig, Wayne, A.B. Goodville, Pa.

SHARP, FREDERICK WILLIAM, A.B.
Brush Creek Lumber Co., Dunlap, Tenn.

Walenta, George John, A.B. 2232 North Broad St., Philadelphia, Pa.

Winslow, John Leiper, A.B.
1900 Mt. Royal Terrace, Baltimore, Md.

WIRGMAN, WILLIAM WAYNE, S.B. Phœnixville, Pa.

Wood, Walter Hallock, A.B.
Oak Wood Seminary, Union Springs, N. Y.

Woodward, William Wellington, A.B. West Chester, Pa.

YEARSLEY, ARTHUR RALSTON, S.B. Coatesville, Pa.

### CLASS OF 1902.

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Barclay, Joseph John, A.B. Bedford, Pa.

Boles, Edgar Howard, A.B. Ardmore, Pa.

Brown, Justin Emmett, A.B. Lucheofu, via Wuhu, China.

Brown, Shipley, S.B. Downingtown, Pa.

Cary, Charles Reed, S.B.

115 West Coulter St., Germantown, Phila., Pa.

CHAMBERS, WILLIAM WILKIE, A.B. Bryn Mawr, Pa.

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541 West One Hundred and Forty-ninth St., New York City.

Dennis, William Varney, A.B. Moorestown, N. J.

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14 East Spruce St., Norristown, Pa.

Evans, Edward Wyatt, A.B., A.B. "Awbury," Germantown, Phila., Pa.

Fox, John Sharpless, A.B.
619 South Thaver St., Ann Arbor, Mich.

Garrett, George Spencer, S.B. 32 Owen Ave., Lansdowne, Pa.

GRANT, WILLIAM HENRY, S.B. 20 Cheshire St., Jamaica Plains, Boston, Mass.

GUMMERE, RICHARD MOTT, A.B., A.M. Haverford, Pa.

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Inumaru, Tetsutaro, A.B. Okayama P. O., Japan.

Jones, S. Percy, S.B.

173 Maplewood Ave., Germantown, Phila., Pa.

Kirk, Edward Goodwin, A.B. Franklin National Bank, Philadelphia, Pa.

Longstreth, William Collins, A.B., A.M. Haverford, Pa.

Newman, Herman, A.B. 1006-1016 Arch St., Philadelphia, Pa.

Philips, William Pyle, A.B., A.M. Harvard University, Cambridge, Mass.

Pusey, William Webb, 2d, S.B. 905 Jefferson St., Wilmington, Del.

Reeder, John Wallace, S.B. Bellefonte, Pa.

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Ross, Robert John, S.B. 910 Franklin Ave., Wilkinsburg, Pa. SCATTERGOOD, HERBERT ARMITT, S.B.

Lambertville, N. J.

Schrag, Andrew Dante, A.B.

Johns Hopkins University, Baltimore, Md.

Scott, Norris Alexander, S.B.

1211 Filbert St., Philadelphia, Pa.

SEILER, CARLINO LINN, S.B.

The Haverford School, Haverford, Pa.

SMITH, CHARLES HARPER, A.B.

2111 K St., N. W., Washington, D. C.

Spiers, Alexander Guy Holborn, A.B., A.M.

University School, Dearborn and Elm Sts., Chicago, Ill.

STONE, JOHN LYON, A.B.

Warren, Pa.

STORK, CHARLES WHARTON, A.B., A.B.

600 Church Lane, Germantown, Phila., Pa.

THOMAS, GEORGE HERBERT, S.B.

3714 Walnut S., Philadelphia, Pa.

TROUT, EDGAR EARL, A.B., A.M.

Wayne, Pa.

Wood, Alexander Cooper, Jr., A.B.

Riverton, N. J.

WOODWARD, PARKE LEWIS, S.B.

Care of Mrs. E. D. Embree, West Chester, Pa.

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BARR, FRANKLIN ELVERSON, A.B.

506 Linden St., Camden, N. J.

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**†1904** 

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Oak Grove Seminary, Vassalboro, Me.

Domincovich, Harry Anthony, A.B., A.M. Moses Brown School, Providence, R. I.

Drinker, James Blathwaite, A.B. Haverford, Pa.

DUERR, OTTO EUGENE, S.B.
P. O. Box 332, Berkeley, Cal.

Hodgson, Carey Vandewart, S.B.
U. S. Coast and Geodetic Survey, Washington,
D. C.

HOFFMAN, ENOCH FARSON, A.B., P. O. Box 204, Malvern, Pa.

Hollingsworth, John Emory, A.B. Penn College, Oskaloosa, Ia.

Hoskins, Hervey Macy, A.B. McMinnville, Ore.

Peirce, George, A.B. Haverford, Pa.

PHILLIPS, ARTHUR JOHN, A.B.
1136 Ridge Ave., Philadelphia, Pa.

RABINOWITZ, ELIAS NATHAN, A.B.
1003 South Leithgow St., Philadelphia, Pa.

SIMKIN, ROBERT LOUIS, A.B. 700 Park Ave., New York City.

Tilney, Israel Sheldon, A.B., A.B. 77 Main St., Orange, N. J.

TRUEBLOOD, HOWARD MOFFITT, S.B.

U. S. Coast and Geodetic Survey, Washington, D. C.

WHITE, IRVING, S.B.,

Lewisville, Ind.

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Winslow, Fitz Randolph, A.B. 1900 Mt. Royal Terrace, Baltimore, Md.

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Johns Hopkins University, Baltimore, Md.

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Brinton, Howard Haines, A.B. West Chester, Pa.

Burgess, Daniel Lawrence, A.B.
12 Kirkland Pl., Cambridge, Mass.

CHARLES, JOHN, A.B. Wichita, Kas.

CLARK, JOSEPH WOODBURN, S.B. 510 South Broad St., Philadelphia, Pa.

Crowell, Arthur, S.B.

United States Coast and Geodetic Survey, Washington, D.C.

FOLWELL, PHILIP DONALD, S.B. 2006 Spring Garden St., Philadelphia, Pa.

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Bootham School, York, England.

HELBERT, GEORGE KINGMAN, S.B. 6719 Emlen St., Germantown, Phila., Pa.

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Kratz, Abel Wesley, A.B. Lanesdale, Pa.

LESTER, BERNARD, S.B. 403 Pitt St., Wilkinsburg, Pa.

LINDLEY, LUKE, S.B. Avilla, Mo.

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Morris, Charles Christopher, S.B. Villa Nova, Pa.

Morris, Harold Hollingsworth, S.B. Villa Nova, Pa.

Schabacker, Harold Messner, A.B.
1212 West Twenty-sixth St., Erie, Pa.

Sheldon, Carlos Noyes, A.B. Swanton, Vt.

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Stokes, James Martin, Jr., A.B.
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Wells, Bert Calvin, A.B. Union Springs, N. Y.

West, Erwyn Porter, S.B. 403 Pitt St., Wilkinsburg, Pa.

WILLS, WILLIAM MINTZER, A.B. East Downingtown, Pa.

WITHERS, SAMUEL CLAYTON, A.B.
Moses Brown School, Providence, R. I.

793 Recipients of the Bachelor's Degree, to date.

# GRADUATES OF OTHER INSTITUTIONS WHO HAVE

### RECEIVED ADVANCED DEGREES

AFTER

### RESIDENT STUDY.

1890.

EATON, WILLIAM BRADFORD (A.B., Wesleyan, 1889), A.M.

Bryn Mawr Hospital, Bryn Mawr, Pa.

MICHENER, CHARLES LEROY, (A.B., Penn, 1884), A.M. †1904

Pritchard, Charles Edgar (A.B., Earlham, 1889), A.M.

Georgetown, Ill.

ROGERS, ROBERT WILLIAM (A.B., Johns Hopkins 1887), Ph.D.

Drew Theological Seminary, Orange, N. J.

SAYRS, WILLIAM CHRISTOPHER (A.B., Wilmington, 1889), A.M.

Wilmington, O.

TERRELL, CHARLES ERNEST (A.B., Wilmington, 1888), A.M. †1901

THURBER, CHARLES HERBERT (Ph. B., Cornell, 1886), A.M.

Care of Ginn & Co., 29 Beacon St., Boston, Mass.

Byers, Lawrence Marshall (A.B., Penn, 1890), A.M.

Iowa State University, Iowa City, Ia.

CARROLL, WILLIAM HUNT (A.B., Wilmington, 1890), A.M. †1897

HILL, Myron Francis (A.B., Harvard, 1890), A.M. Care of Dr. Frank A. Hill, Cambridge, Mass.

ROBINSON, LUCIAN MOORE (A.B., Harvard, 1882), A.M.

1715 Walnut St., Philadelphia, Pa.

### 1892.

GIFFORD, ELMER H. (S.B., Penn, 1888), A.M. Oskaloosa, Ia.

Hubbard, Byron Charles (S.B., Earlham, 1891), A.M.

Donora, Pa.

### 1893.

HUNT, WILSON ALLEN (S.B., Wilmington, 1892), A.M. Gravette, Ark.

Johnson, Irving Culver (S.B., Penn, 1892), A.M. Oskaloosa, Ia.

VAN NOPPEN, LEONARD CHARLES (A.B., Guilford, 1890; B.L., Univ. N. C., 1892), A.M. Riverside, Conn.

DAKIN, FRANKLIN ARTHUR (A.B., Harvard, 1882), A. M.

The Haverford School, Haverford, Pa.

HASTINGS, WILLIAM WALTER (A.B. and A.M., Mary-ville, 1886 and 1892), A.M.

Care of Y. M. C. A. Training School, Springfield, Mass.

KIRK, MAHLON ZIMRI (S.B., Penn, 1893), A.M. Kitridge Building, Denver, Col.

Spaid, Arthur Rusmiselle (A.B., Wilmington, 1893), A.M.

Wilmington, Del. (Superintendent of Schools.)

Wilson, Edwin Mood (A.B., Guilford, 1892; A. B., Univ. N. C., 1893), A.M.

The Haverford School, Haverford, Pa.

## 1895.

Kemble, Ira Oscar (S.B., Penn, 1894), A.M. 529 North Third St., Marshalltown, Ia.

VILLARS, JOHN OSCAR (S.B., Wilmington, 1894), A.M.

Williamson School, Delaware County, Pa. White, Roy Wilson (S.B., Earlham, 1894), A.M. †1900

Babbitt, James Addison (A.B., Yale, 1893), A.M. Haverford College, Haverford, Pa.

Charles, Arthur Matthew (S.B., Earlham, 1894), A.M.

Earlham College, Richmond, Ind.

Owen, Horace Thornburg (A.B., Hamilton, 1895), A.M.

Clinton, Oneida County, N. Y.

Hunt, Luther Milton (S.B., Wilmington, 1895), A.M.

Clarksville, O.

PATTERSON, CLEMENT FINNEY (Ph.B., Penn, 1895), A.M.

Oskaloosa, Iowa.

HASTINGS, WILLIAM WALTER (A.B. and A.M., Maryville, 1886 and 1892; A.M., Haverford, 1894), Ph.D.

Care of Y. M. C. A. Training School, Springfield, Mass.

## 1897.

BEALE, WILLIAM OTIS (S.B., Earlham, 1896), A.M. Quaker, Mich.

Else, Frank Whittier (A.B., Penn, 1896), A.M. Mt. Pleasant, Ia.

TERRELL, PAUL TASSO (S.B., Wilmington, 1896), A.M.

Highland, O.

LOUD, FRANK HERBERT (A.B., Amherst, 1873; A.M., Harvard, 1899), Ph.D.
Colorado College, Colorado Springs, Col.

### 1904.

ARISHIMA, TAKEO (A.B., Imperial Agricultural College of Supporo, Japan, 1903), A.M.
10, Simo Kokie Bancho, Kojinachi, Tokyo, Japan.

McGrew, Henry Edwin (S.B. and S.M., Penn, 1895 and 1899), A.M.
Pacific College, Newberg, Ore.

### RECIPIENTS OF HONORARY DEGREES.

1858. Vail, Hugh D., A.M. †1900

1859.

Aldrich, Joseph W., A.M. †1865

1860.

WHITTIER, JOHN G., A.M. †1892

1864.

· Cope, Edward D., A.M. †1897

1867.

Moore, Joseph, A.M.
Earlham College, Richmond, Ind.

1872.

JACOBS, WILLIAM, A.M. West Chester, Pa.

1875.

Alsop, Samuel, Jr., A.M. †1888

1876.

CHASE, PLINY EARLE, L.L.D. †1886 PANCOAST, WILLIAM H., A.M. †1897

1877.

Thomas, John J., A.M. †1895

Smith, Clement L., LL.D. Harvard University, Cambridge, Mass.

1879.

Jones, Richard M., A.M.
8 South Twelfth St., Philadelphia, Pa.
Yarnall, Ellis, A.M.
Haverford, Pa.

1880.

Chase, Thomas, Litt.D. †1892 Hughes, Thomas, LL.D. †1896

1882.

Coates, Henry T., A.M. Berwyn, Pa.

1883.

Cock, Thomas F., LL.D. †1896 Wood, James, A.M. Mt. Kisco, N. Y.

HOXIE, HENRY N., A.M.
1824 Arch St., Philadelphia, Pa.

1884.

Parrish, Joseph, A.M. †1893 Cook, Elijah, A.M. †1900

Tomlinson, Julius L., A.M.

†1890

CHASE, ROBERT HOWLAND, A.M.

Friends' Asylum, Frankford, Phila., Pa.

1886.

Magill, Edward H., LL.D. Swarthmore, Pa.

1887.

KIMBER, THOMAS, Litt.D.

†1890

1890.

MILLS, JOSEPH J., LL.D. Toronto, Canada.

1891.

Jones, Richard M., LL.D. 8 South Twelfth St., Philadelphia, Pa.

1895.

TRIMBLE, HENRY, A.M.

†1897

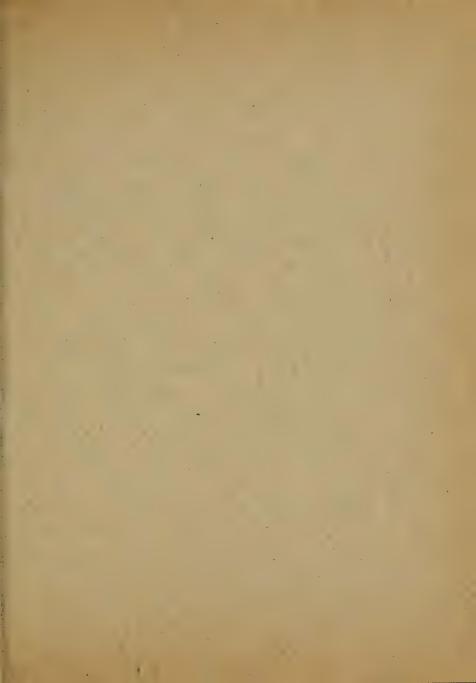
1900.

HARRIS, J. RENDEL, LL.D. Woodbrooke, Selly Oak, near Birmingham, England.









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# HAVERFORD COLLEGE BULLETIN

Vol. III. Sixth Month, 1905

No. 4

# Athletic Aumber

1904-1905



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



# Haverford College Athletics

1904-1905



Edited in the Interest of Haverford Athletics, by

JAMES A. BABBITT, M.D.

Director of the Physical Department



HE increasing importance attending the publication of the Senior Class Book, as well as the admirably comprehensive character of the work, entirely justifies the simple record character of this volume. Its function is to preserve intact all important athletic records and data, and as well serve as a ready reference manual

on Haverford Athletic customs and traditions.

May it fulfil this purpose well, and continue to stimulate the purest form of Haverford Athletics.

James A. Babbitt.

Haverford, Penna.

June the Fifteenth





# —SEA20H—

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C. J. RHOADS, '93—Treasurer

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W. CARSON, '06—Vice-Chairman

E. C. Peirce, '05-Manager

R. J. SHORTLIDGE, '06-Assistant Manager

A. H. HOPKINS, '05-Captain

H. N. THORN, '04-Coach



CAPT. HOPKINS.

#### Haverford College Foot Ball Team (Swarthmore Game)

- A. H. HOPKINS, '05-Captain and Right Tackle H. W. Jones, '05—Left Tackle M. W. Fleming, '05—Centre Rush E. T. Snipes, P. G.—Left End M. B. SEEVERS, '05—Substitute Left End
  A. T. LOWRY, '06—Full Back
- T. K. Brown, Jr., '06-Right End
- H. K. BROWN, JR., 00—Right End
  W. H. HAINES, '07—Quarter Back
  G. H. Wood, '07—Left Guard
  E. F. Jones, '07—Right Half Back
  J. C. Birdsall, '07—Substitute Left Guard
  C. T. Brown, '08—Left Half Back
  C. C. Morris, P. G.—Substitute Left Half Back

#### Season 1904

## Games Played, with Scores

Haverford Haverford Haverford Haverford Haverford Haverford	 Rutgers Lehigh Jefferson Medical College. Ursinus Franklin and Marshall. New York University. Delaware Swarthmore	0 0 0 0 0
214,011014		-,

#### Statistics of Foot Ball Team

Agc.	Height. Weight.
A. H. Hopkins, 'c5, Capt. and Tackle 225	
H. W. Jones, '05, Tackle24	ft. 10½ ia170
M. W. Fleming, '05, Center20t	) ft. 2 in180
A. G. Priestman, '05. Guard	o ft164
M. B. Seevers, '05, <i>End</i> 18(	
E. T. SNIPES, P. G., Half Back225	
C. C. Morris, P. G., <i>End</i>	; ft. 813 in141
A. T. Lowry, '06, Full Back	; ft. 9 in170
T. K. Brown, Jr., '06, End	
E. F. Jones, '07, Half Back	
J. C. Birdsall, '07, Guard	) ft
W. H. Haines, '07, Quarter21	; ft. 6 in148
G. H. Wood, '07, Guard21	
C. T. Brown, 'oS, End	

#### Foot Ball Emblems

Foot Ball and Scrub H's were awarded to the following:

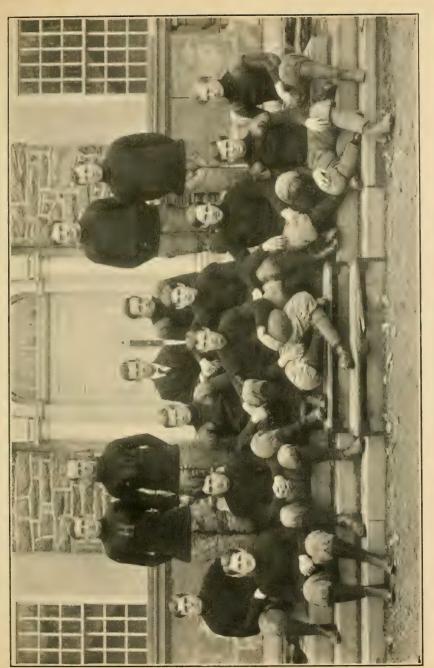
# Foot Ball H's A. H. Hopkins, '05 H. W. Jones, '05 M. W. Flemin... '05 A. G. Priestman, '05 M. B. Seevers, '05 E. T. Snipes, P. G. A. T. Lowry, '06 T. K. Brown, Jr., '06 E. F. Jones, '07 W. H. Haines, '07 G. H. Wood, '07

C. T. Brown, '08

# Scrub H's T. M. Baies. 'c5 S. M. Boher, '05 H. H. Cookman, '05 H. G. Cox, '05 J. M. Smith, '05 W. H. Haines, Jr., '06 P. W. Brown, '07 J. P. Magill, '07 E. Wright, 'c8

## Individual Points Scored

Touchdowns	Goals.
A. T. Lowry 14 A. H. Hopkins 4 E. F. Jones 2 A. G. Priestman 1 T. K. Brown 1 A. K. Smiley 1 A. E. Brown 1	W. H. Haines
C. Brown	



HAVERFORD COLLEGE FOOT BALL TEAM, 1904-5



## Record of Haverford-Swarthmore Games

1 goal       13 safeties       2         *1879       1 touchdown       36         1 safety       1 safety         *1883 (spring)       2 safety touchdowns       16       6 safeties       8         1 goal       16       6 safeties       8       1 touchdown         1883 (fall)       9       12 1895       24       6         1884       10       6 1896       42       6         1885       40       10 1897       8       6         1887       16       40 1898       12       6         1888       6       0 1899       12       32         1889       10       4 1900       10       17         1890       14       30 1901       6       6         1891       0       62 1902       0       22         1892       6       22 1903       6       16	HAVERF	ORD.	SWARTHMORE
*1883 (spring) 2 safety touchdowns. 16 6 safeties	*1879 I touchdo	wn	13 safeties }2
1883 (fall)     9.     12     1895     24.     6       1884     10.     6     1896     42.     6       1885     40.     10     1897     8.     6       1887     16.     40     1898     12.     6       1888     6.     0     1899     12.     32       1889     10.     4     1900     10.     17       1890     14.     30     1901     6     6       1891     0     .62     1902     0     .22       1892     6     .22     1903     6     .16	*1883 (spring) 2 safety t	ouchdowns. \ 16	6 safeties) 8
1889     10.     4     1900     10.     17       1890     14.     30     1901     6.     6       1891     0.     62     1902     0.     22       1892     6.     22     1903     6.     16	1883 (fall)       9	12 1895 6 1896 10 1897 40 1898	
1892 622 1903 616	1889	4 1900	
1893 0	1892       6         1893       0         1894       0	22 1903 50 1904	

<sup>\*</sup> These games were played under a different system of scoring. The managers do not count them in the present series

### Regulations for the Wearing of College Emblems

The following is the report of the committee authorized by the Athletic Association on December 6, 1904, to collect the regulations governing the awarding of the college and class emblems as revised to date—February 16, 1905:

FIRST. All committees for awarding college emblems shall be held responsible to the Athletic Association.

Second. The cricket colors shall consist of the cricket sweater, the scarlet and black striped blazer and cap, and the scarlet and black sash. The cricket sweater shall be white, with low neck and a lower waistband of scarlet and black, one and one-half  $(1\frac{1}{2})$  inches wide, and shall have on the breast a scarlet Cricket H. Cricket H shall be a block letter H four and a half  $(4\frac{1}{2})$  inches across the top and five (5) inches in height.

The cricket colors shall be worn by the members of the first eleven of any year, when such members are formally given their colors by the Ground Committee of the Cricket Club.

THIRD. The foot ball colors shall be awarded after the last game of each season by the captain, manager and chairman of the foot ball department. These men may select any number up to fourteen players, including the captain, who shall be entitled to wear the foot ball H.

The foot ball sweater shall be red, with black neck, wristlets, and waistband. The foot ball H shall be a black block letter H six (6) inches across the top and seven and a half  $(7\frac{1}{2})$  inches in height. The wristlets and waistband shall each be three and one-half  $(3\frac{1}{2})$  inches in width.

The foot ball jersey shall be as follows: A black body with striped sleeves, a scarlet neck, and a scarlet waistband. The stripes, one (1) inch in width, shall be alternate scarlet and black. The H shall be a scarlet block letter four and one-half  $(4\frac{1}{2})$  inches in width and five (5) inches in height.

The foot ball cap shall, be a plain black cap, with scarlet H. F. B. T. The men who have been awarded the foot ball emblem shall have the option of receiving either the sweater or the jersey and cap.

Men who are not entitled to wear the foot ball emblem shall not appear with the foot ball H on any sweater, nor shall they wear the scarlet and black striped stockings, foot ball jerseys or caps, except upon the foot ball field.

FOURTH. The track emblems shall be awarded by the captain, manager and chairman of the track department, and shall be worn only by men winning a point in the intercollegiate scratch contest, except in dual meets, when the winners of first place only shall receive the track H.

The track uniform shall consist of a white sleeveless jersey with a black bar letter H on the breast. (This H shall be three (3) inches wide and three and five-eighths (35%) inches in height); white running trousers, with red and black ribbon stripes down the sides, and the track sweater, which shall be a plain cardinal red sweater with the track H on the breast. The track H shall be five and a half ( $5\frac{1}{2}$ ) inches in width by six and a half ( $6\frac{1}{2}$ ) inches in height, and shall be a block bar letter.

FIFTH. The gymnasium emblem shall be awarded by the captain, manager and chairman of the gymnasium department, who shall determine the number of men to receive these emblems. The gymnasium uniform shall consist of a red sleeveless jersey. black tights, black leotod and black gym. shoes. The emblem on the jersey shall be a monogram, consisting of a black H (4½) inches in height and 4½ inches wide), a black C (3¼ inches in height and 21/4 inches wide), and a black G. (Of the same dimensions as the C). The C shall be placed upon the upper right hand section of the H and the G upon the lower left hand section. The design shall conform to that of previous years. The gym. sweater shall be black throughout. The emblem shall conform with the monogram of the gym. jersey. The letters shall be scarlet and of the same dimensions as those on the jersey. The gymnasium H shall be awarded to not more than two (2) men. The H shall be scarlet on a black sweater and shall be of the same design and dimensions  $(4\frac{1}{2})$  inches high by  $4\frac{1}{2}$  inches wide) as the H in the monogram on the gymnasium sweater.

Sixth. The scrub foot ball sweater shall be awarded at the end of each foot ball season to those men who, in the opinion of the Varsity captain, manager and chairman of the foot ball department, have done the best work throughout the season. The number of sweaters shall not exceed eleven.

The sweater shall be of a black body of striped alternate scarlet and black neck and wristlets. The stripes shall be one-half (½) inch in width and the wristlets four (4) inches in width. The monogram shall consist of a scarlet H seven (7) inches in height by six (6) inches in width. A scarlet Arabic numeral "2" two (2) inches by one and one-half (1½) inches and a scarlet Roman numeral eleven (XI) of the same relative dimensions. The Arabic numeral "two" shall be placed within the H above the cross-bar and the Roman numeral "eleven" below the cross-bar.

SEVENTH. The managers of the various teams may wear the sweaters and jerseys of their respective teams without the emblems.

EIGHTH. No person shall be entitled to wear any of the emblems, uniforms, or parts of uniforms, above mentioned, until that person shall have been authorized to do so by the committees having charge of the awarding of the same.

NINTH. Class Colors.—Numerals on class sweaters are awarded to not more than eleven men on any class foot ball or cricket team as selected by the captain, manager and chairman of the respective departments; to a man winning one first or two seconds in the Sophomore-Freshman sports, or five (5) points in the spring track meet, or to the winner of the tennis tournament in singles.

## Sophomore-Freshman Sports

October 10th, 1904

These sports were won by the Sophomore Class, with score of 53 to 18.

- 100-YARD DASH—Won by P. W. Brown, '07; second, Janeway, '07; third, Magill, '07. Time, 12 seconds.
- HALF-MILE RUN—Won by E. C. Tatnall, '07; second, E. R. Tatnall, '07; third, Hill, '08. Time, 2 minutes 29 2-5 seconds.
- High Jump—Won by Rossmaessler, '07; second, Shoemaker, '08; third, Pearson, '08. Height, 5 feet 2 inches.
- 220-Yard Dash—Won by P. W. Brown, '07; second, E. C. Tatnall, '07; third, Shoemaker, '08. Time, 25 seconds.
- Shot Put—Won by Pearson, '08; second, Birdsall, '07; third, Wood, '07. Distance, 31 feet.
- 120-YARD HIGH HURDLES—Won by Pearson, '08; second, Rossmaessler, '07. Time, 19 1-5 seconds.
- 440-YARD DASH—Won by E. C. Tatnall, '07; second, E. R. Tatnall, '07; third, Burt, '08. Time, 56 4-5 seconds.
- Broad Jump—Won by Janeway, '07; second, Rossmaessler, '07; third Pearson, '08.

#### The Tennis Season

The Fall Tennis Tournament was won by C. S. Lee, '05, who defeated H. Pearson, '08, in the finals, with score of 6-3, 6-0, 6-3. Thirty-two contestants took part in tournament.

#### Fall Intercollegiate Tournament

Singles.

H. J. Rendell, Princeton, defeated C. S. Lee, Haverford, 6-2, 7-5.
 J. H. Sunstein, Princeton, defeated J. T. Fales, Haverford, 6-4, 6-4.

S. K. Richardson, Princeton, defeated S. G. Spaeth, Haverford, 6-3, 6-1.

Doubles.

Sunstein and Thompson, Princeton, defeated Lee and Fales, Haverford, 6-4, 3-6, 6-4.

#### Spring Intercollegiate Meets

#### Haverford vs. Franklin and Marshall

Singles.

Fales, Haverford, defeated Appel, F. & M., 3-6, 6-1, 6-3. Lee, Haverford, defeated Sleat, F. & M., 6-3, 7-9, 6-3.

Doubles.

Fales and Lee, Haverford, defeated Appel and Hull, F. & M., 4-6, 6-4, 6-3.

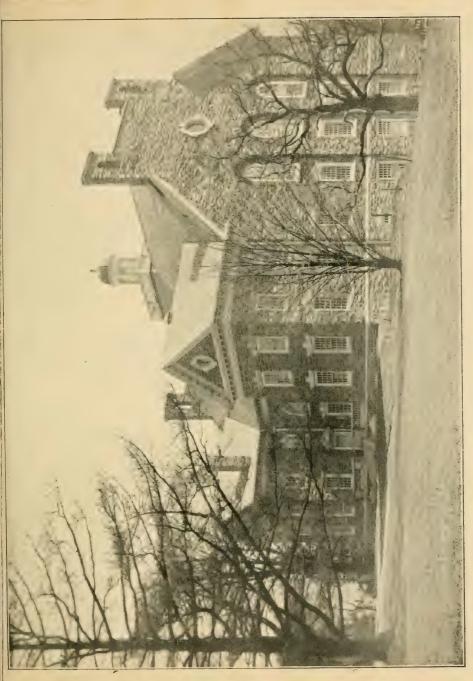
#### Haverford vs. Swarthmore

Singles.

Lee, Haverford, defeated Sensenderfer, Swarthmore, 6-1, 6-2. Fales, Haverford, defeated Darlington, Swarthmore, 4-6, 6-2, 6-1.

Doubles.

Fales and Lee, Haverford, defeated Darlington and Sensenderfer, Swarthmore, 3-6, 6-1, 6-3.





## Association Foot Ball, 1904-05

#### Organization

President—R. L. Pearson, '05.

Vice-President—T. S. Downing, '05.

Manager—B. Eshleman, '05.

Assistant Manager—E. R. Tatnall, '05.

#### Games Played, with Scores

Haverford 4	Germantown C. C I
Haverford 2	Merion C. C 4
Haverford 2	Germantown C. C 2
Haverford I	Staten Island C. C 1
Haverford	Trojans
Haverford 2	Merion C. C I
Haverford 2	Staten Island C. C 2
Haverford 3	Germantown C. C o
Haverford I	Harvard o
Haverford I	Harvard o

# Intercollegiate Association Foot Ball

To Haverford belongs the credit of inaugurating intercollegiate foot ball, in the series with Harvard. This was arranged after the College had won the "Manheim Cup."

#### First Game (at Cambridge)

#### April 1st

Score, 1 to o. Goal won by Morris.

The line-up was as follows:

HAVERFORD.	Positions.	Harvard.
H. Pearson	Goal	
Dickson	Right full-back	MacLawrin
Lowry	Left full-back	Dexter
	Right half-back	
Pleasants	Center half-back	Brooks
	Left half-back	
	Outside right	
	Inside right	
	Center forward	
	Inside left	
Tatnall	Outside left	Noyes

#### Second Game (at Haverford)

#### April 15th

Score, again 1 to 0, and goal won by Morris.

The line-up:

*		
Harvard	Positions.	HAVERFORD.
Reggis	Goal	H. Pearson
Squires	Right full-back	Lowry
Kidder	Left full-back	Dickson
	Right half-back	
Brooks, Capt		Pleasants
Thackara	Left half-back	R. Pearson
Greene	Outside right	Brown
	Inside right	
Osborne	Center forward	
Robinson	Inside left	Spaeth
	Outside left	
	. John A. Lester. Linesmei	
and R. M. Gum	mere.	

HAVERFORD COLLEGE ASSOCIATION FOOT BALL TEAM, 1904 5.





H. W. Jones, '05—Chairman

J. A. Stratton, '06—Vice-Chairman

E. Ritts, '05—Manager

J. F. Fales, '06—Assistant Manager

C. S. Bushnell, '05—Captain

# Quadrangular Exhibition

# Princeton, Columbia, Pennsylvania, and Haverford January 21st, 1905

#### PART I.

Haverford College Mandolin Club.

I	HORIZONT	AL BAR.	
---	----------	---------	--

Ring, West, Rindge, Ward	.Columbia
Binns, Moore, Masters, KraussUniversity	OF PENNA.
Dunning, Holzhauer, McCabe	PRINCETON
T. K. Brown, J. Bushnell, C. Brown	HAVERFORD

#### 2 Side Horse.

Rindge,	BurchColu	UMBIA
Krauss	University of Pennsyl	VANIA
Evans, (	ary, CarsonHavi	ERFORD

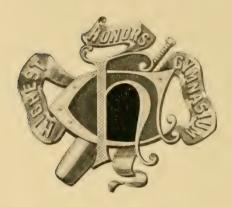
3	CLUB SWINGING.
	Stewart, Ring
	Downing, Shortlidge
4	FLYING RINGS.
	Burch, West, Benham, Hanna
	Dunning, Granger
	Lee, Edwards, Stratton
	DADE H
	PART II.
	Haverford College Mandolin Club.
5	Trapeze.
	Karow Princeton.
6	Parallel Bars.
	Benham, West, Ward, Wiggin, Burch, RindgeColumbia
	Binns, Brooke, Dieterle, KraussUniversity of Penna. Gill, Granger, Hay
	Stratton, C. S. Bushnell, Brown, EdwardsHAVERFORD
7	Torch Swinging.
	Ring
8	Tumbling.
	Wiggin, Burch, Miller
	Dieterle, Moore, Masters, TakakiUniversity of Penna.
	Gill, St. John, Johnson, McCabe
	Lowry, Haines, Edwards, Brown, J. BushnellHaverford

# Annual Interscholastic Gymnastic and Athletic Meeting

The fourth annual Interscholastic Indoor Athletic and Gymnastic Meeting was held in the Haverford College Gymnasium on the evening of February 24th. There were over one hundred entries, representing twenty schools in Philadelphia and its vicinity.

#### Summary:

- 220-YARD PURSUIT RACE—Won by E. Bonsack, the Haverford School; second, E. S. Atkinson, De Lancey; third, Ben Gatins, St. Luke's.
- Side Horse—Won by H. S. Schoonmaker, Trinity; second, E. Sherry, Lawrenceville; third, E. L. Souder, Episcopal.
- FLYING RINGS—Won by E. C. Donaghy, Episcopal; second, H. V. Staehle, Newark; third, H. L. Dowd, Newark.
- HIGH JUMP—Won by W. F. Talcott, Hill; second, A. J. Smith, De Lancey; third, W. P. Ingersoll, Lawrenceville. Height, 5 feet 5½ inches.
- PARALLEL BARS—Won by H. S. Schoonmaker, Trinity; second, H. L. Dowd, Newark; third, W. L. Stratton, Lawrenceville.
- Club Swinging—Won by W. N. Edwards, Episcopal; second, J. C. Cooper, Lawrenceville; third, C. J. Milne, 3d, Lawrenceville.
- HORIZONTAL BAR—Won by H. S. Schoonmaker, Trinity; second, A. M. Wells, Lawrenceville; third, H. V. Baker, Haverford School.
- Tumbling—Won by A. M. Wells, Lawrenceville; second, H. L. Dowd, Newark; third, C. S. Reinhart, Lawrenceville.
- 20-YARD DASH—Won by J. A. Rector, Lawrenceville; second, J. K. Lee, Episcopal; third, G. E. Fullertown, Lawrenceville.



# Gymnastic Contest

#### Haverford vs. Rutgers

March 3rd, 1905

#### Results:

HORIZONTAL BAR—First, T. K. Brown, Jr., Haverford; second, Devan, Rutgers.

Club Swinging—First, C. Wilbur, Rutgers; second, Bender, Rutgers.

Parallel Bars—First, C. S. Bushnell, Haverford; second, tie between C. T. Brown, Haverford, and C. Wilbur, Rutgers.

FLYING RINGS—First, Devan, Rutgers; second, J. A. Stratton, Haverford.

Tumbling—First, J. Bushnell, 3d, Haverford; second, Hill, Rutgers.

Horse-First, W. Carson, Haverford; second, Mason, Rutgers.

Judge—Mr. C. W. Mayser.

Score-Haverford, 2412; Rutgers, 2312.

HAVERFORD COLLEGE GYMNASIUM TEAM 1004 5.



## Intercollegiate Gymnastic Contests

#### Lehigh vs. Haverford

March 11th, 1905

Score-Lehigh, 241/2; Haverford, 231/2.

#### Pennsylvania vs. Haverford

March 24th, 1903

Score—Pennsylvania, 2612; Haverford, 2112.

# Haverford College Gymnasium Team 1904-5



T. K. BROWN, JR.

C. S. Bushnell, '05, Captain.

T. S. Downing, '05.

C. S. Lee, '05.

E. Ritts, '05, Manager.

T. K. Brown, '06.

W. CARSON, '06.

R. L. CARY, '06.

R. J. Shortlidge, '06.

J. A. Stratton, '06.

C. T. Brown, '08.

J. Bushnell, 3d, 'o8.

E. A. Edwards, '08.

W. R. SHOEMAKER, '08.



Running High JumpE. B. Conklin, '995 ft. 91/8 in.
Spring Board JumpW. B. Rodney, '97
Horizontal Bar JumpF. B. Jacobs, '97
Fence VaultA. R. Yearsley, 19016 ft. 6 in.
High KickJ. W. Reeder, 19029 ft. 6 in.
Putting Shot
R. Hop, Step and Jump. J. W. Reeder, 190237 ft. 9 in.
Standing Board JumpW. V. Dennis, 190210 ft. 1/2 in.
Standing High JumpW. V. Dennis, 19024 ft. 6 in.
Chest Pull-up F. N. Vail, '89 37
Chest Dip F. N. Vail, '89 44
High Dive E. B. Conklin, '99 5 ft. 9½ in.
H. H. Jenks, 1900 5 ft. 5 in.

#### Intercollegiate Points

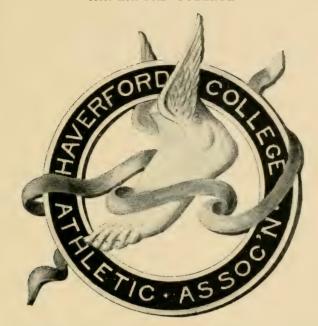
A. L. Dewees, 3d place, club swinging, 1901.

W. P. Phillips, 2d place, club swinging, 1902.

#### Winter Bowling Tournament

Final Round.

Kennard, '06, vs. Spaeth, '05—Won by Kennard, 619 to 449. This score of 619 is top score for these alleys.



# General Athletic Organization—Track Department

A. H. HOPKINS, '05-Chairman.

J. D. PHILIPS, '06—Vice-Chairman.

C. S. Bushnell, '05—Manager.

W. K. MILLER, '06—Assist. Manager. H. W. Jones, '05—Captain.

# Intercollegiate Games, I. C. A. A. A. A.

Haverford Points

E. B. Conklin, '99—Tied fourth place, Running High Jump, 1899—½ point.

E. C. Tatnall, '07—Third place, Mile Run, 1904—2 points. T. K. Brown, Jr., '06—Fourth place, 120 yd. Hurdles, 1905—1 point.

# Seventeenth Annual Spring Meeting April 8th and 11th, 1905



E. C. TATNALL, '07.

100-YARD DASH—Won by T. K. Brown, Jr., '06; second, P. Brown, '07; third, Priestman, '05. Time, 11 seconds.

One-Mile Run—Won by E. C. Tatnall, '07; second, Miller, '06; third, Taylor, '06. Time, 5.17.

120-YARD HIGH HURDLES—Won by T. K. Brown, Jr., '06; second, C. Brown, '08; third, Phillips, '06. Time, 17 2-5 seconds.

220-Yard Dash—Won by T. K. Brown, Jr., '06; second, P. Brown, '07; third, Magill, '07. Time, 24 3-5 seconds.

Hammer Throw—Won by H. W. Jones, '05; second, Lowry, '06; third, Wood, '08. Distance, 115 feet 6 inches.

440-Yard Run—Won by E. C. Tatnall, '07; second, Priestman, '05; third, Kennard, '06. Time. 55 seconds.

Broad Jump—Won by T. K. Brown, Jr., '06; second, Hopkins, '05; third, P. Brown, '08. Distance, 21 feet.

HALF-MILE RUN—Won by E. C. Tatnall, '07; second, Taylor, '06; third, Hill, '08. Time, 2 minutes, 17 seconds.

Shotput—Won by Hopkins, '05; second, Lowry, '06; third, E. Jones, '07. Distance, 36 feet 1 inch.

HIGH JUMP—Won by Philips, '06; second, Hopkins, '05; third, tie between T. K. Brown, Jr., '06, and Cary, '06. Height, 5 feet, 6 inches.

Two-Mile Run—Won by Miller, 'o6; second, Taylor, 'o6; third, Nicholson, 'o7. Time, 10.44.

DISCUS THROW—Won by E. Jones, '07; second, H. W. Jones, '05; third, Lowry, '06. Distance, 92 feet 9 inches.

220-Yard Hurdles—Won by T. K. Brown, Jr., '06; second, J. Bushnell, '08; third, Rossmaessler, '07. Time, 30 seconds.

Pole Vault—Won by J. D. Philips, '06; second, J. Bushnell, 3d, '08; third, G. Strode, '08. Height, 9 feet, 8 inches.

Score.

1906-60; 1907-29; 1905-20; 1908-17.

#### Wesleyan-Haverford Meet

#### May 6th, 1905

IOO-YARD DASH—Won by McCormick, Wesleyan; second, T. K. Brown, Jr., Haverford. Time, 10 1-5 seconds.

HALF-MILE RUN—Won by E. C. Tatnall, Haverford; second, Smith, Wesleyan. Time, 2 minutes 3 4-5 seconds.

120-Yard Hurdles—Won by T. K. Brown, Jr., Haverford; second, Martin, Wesleyan. Time, 16 1-5 seconds.

2-Mile Run—Won by W. K. Miller, Haverford; second, Benson, Wesleyan. Time, 10 minutes, 25 4-5 seconds.

220-Yard Dash—Won by McCormick, Wesleyan; second, T. K. Brown, Jr., Haverford. Time, 23 1-5 seconds.

One-Mile Run—Won by E. C. Tatnall, Haverford; second, Gray, Wesleyan. Time, 4 minutes 43 seconds.

440-Yard Dash—Won by Martin, Wesleyan; second, McCormick, Wesleyan. Time, 52 4-5 seconds.

Pole Vault—Won by Eyster, Wesleyan; second, J. D. Philips, Haverford. Height, 10 feet.

Running Broad Jump—Won by T. K. Brown, Jr., Haverford; second, Van Surdam, Wesleyan. Distance, 21 feet 25% inches.

Running High Jump—Won by J. D. Philips, Haverford; second, tie between A. H. Hopkins, Haverford, and Neeld, Wesleyan. Height, 5 feet 5½ inches.

Shot Put—Won by Dearborn, Wesleyan; second, A. H. Hopkins, Haverford. Distance, 37 feet 5 inches.

HAMMER THROW—Won by H. W. Jones, Haverford; second, A. T. Lowry, Haverford. Distance, 113 feet 2 inches. (Record try, 123 feet 6 inches.)

Discus Throw—Won by Dearborn, Wesleyan; second, H. W. Jones, Haverford. Distance, 113 feet 7½ inches.

Score—Haverford, 57½; Wesleyan, 54½.

# Naval Academy, Annapolis-Haverford Meet

#### May 20th, 1905

- 120-YARD HURDLE—Won by T. K. Brown, Jr., Haverford; second, Turner, Navy; third, Decker, Navy. Time, 15 4-5 seconds.
- HIGH JUMP—Won by Lauman, Navy; second, tie between J. D. Philips and A. H. Hopkins, Haverford. Height, 5 feet, 7 inches.
- Hammer Throw—Won by H. W. Jones, Haverford; second, A. T. Lowry; third, Doherty, Navy. Distance, 117 feet 5 inches.
- Mile Run—Won by E. C. Tatnall, Haverford; second, W. K. Miller, Haverford; third, Hunsacker, Navy. Time, 4 minutes 52 2-5 seconds.
- 100-YARD DASH—Won by Washburn, Navy; second, T. K. Brown, Jr., Haverford; third, Williams, Navy. Time, 10 1-5 seconds.
- Broad Jump—Won by Burg, Navy; second, Hopkins, Haverford; third, Henderson, Navy. Distance, 21 feet 134 inches.
- HALF-MILE RUN—Won by Delano, Navy; second, Lynch, Navy; third, E. C. Tatnall, Haverford. Time, 2 minutes 6 4-5 seconds.
- Shot Put—Won by McConnell, Navy; second, A. T. Lowry, Haverford; third, Aiken, Navy. Distance, 36 feet 7½ inches.
- 440-Yard Dash—Won by Purnell, Navy; second, Olding, Navy; third, Holcomb, Navy. Time, 52 4-5 seconds.
- Pole Vault—Won by Burford, Navy; second, A. T. Lowry, Haverford; third, Abbott, Navy. Height, 10 feet 2½ inches.
- 220-Yard Dash—Won by Washburn, Navy; second, Burg, Navy; third, T. K. Brown, Jr., Haverford. Time, 23 seconds.
- 220-Yard Hurdle—Won by Decker, Navy; second, T. K. Brown, Jr., Haverford; third, Turner, Navy. Time, 27 3-5 seconds. Score—Navy, 66; Haverford, 42.

HAVERFORD COLLEGE ATHLETIC TEAM, 1904-5.





Event.	Made by	Time or Dist. Date
100-Yard Dash	(W. W. Hall, 'o	210 2-5 sec1899
220-Yard Dash	W. W. Hall, 'c	0223 sec1899
440-Yard Dash		
Mile Run Two-Mile Run		
120-Yard Hurdles	T. K. Brown, J	r., '0616 4-5 sec1904
Running Broad Jump		
*Running High Jump		21 ft. 25% in 1905
Putting 16-lb. Shot	W. W. Hall, 'o	237 ft. 8 in 1899
Throwing 16-lb. Hammer. Throwing Discus	E. F. Jones, 'o	792 ft. 9 in 1905
Pole Vault * Record of 6 ft. 1 in. made	- · · · · · · · · · · · · · · · · · · ·	
Games, 1899.	,	, , ,

# Holders of the Walton Prize Cup

<i>Year</i>	Name	Class	Points
1901J	. W. Reeder		23
1902J	W. Reeder		531/2
		Jr 1906	
		Jr	
1905 T	. K. Brown, J	fr	581/2

# The Walton Prize Cup

PRESENTED by Mr. Ernest F. Walton, of the Class of 1890, for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

- I. The athletic events accepted shall be those of the annual interclass athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)
  - 2. Points shall count as follows:

**Inter-Class Athletic Meeting**—Five, three and one for first, second and third places, respectively.

**Sophomore-Freshman Sports—**Three, two and one for first, second and third places.

**Dual College Meets**—Five, three and one for first, second and third places, respectively.

**Pennsylvania Relay Carnival**—Five or three points for each member of the team winning first or second place.

**Princeton Handicap Meeting**—Ten, six and two for first, second and third places.

- I. C. A. A. A. Meeting—Twenty, fifteen, ten and five points for first, second, third and fourth places, respectively.
- 3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.
- 4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.
- 5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.
- 6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.

# Cricket Organization

E. M. Evans, '05-Chairman.

A. T. Lowry, '06-Vice-Chairman.

ELIAS RITTS, '05-Manager.

R. J. Shortlidge, '06—Assist. Manager and Secretary.

R. L. Pearson, '05—Captain.

#### Ground Committee

R. L. Pearson, '05.

A. G. Pearson, '05.

E. M. Evans, '05.

H. Pleasants, 'o6.

F. D. Godley, '07.



H. PIEASANTS, 'OO.

# Cricket Teams, 1905

#### First Eleven

### R. L. Pearson, '05, Capt.

C. C. Morris, P. G.

E. M. Evans, '05

A. H. Hopkins, '05

E. C. Peirce, '05

A. G. Priestman, '05

E. Ritts, '05

H. W. Doughten, Jr., 'o6

A. T. Lowry, 'o6

H. Pleasants, 'o6

F. D. Godley, '07

S. G. Spaeth, '05 Subs.

J. D. Philips, 'o6

### Second Eleven

S. G. SPAETH, '05, Capt.

H. H. Cookman, '05

T. S. Downing, '05

J. P. Magill, '07

S. Gummere, '07

P. W. Brown, '07 A. E. Brown, '07

H. Evans, '07

C. T. Brown',08

E. A. Edwards, '08

F. C. Bailey, 'o8 \ Sub.

#### Third Eleven

E. F. BAINBRIDGE, '06, Capt.

E. T. Snipes, P. G.

S. M. Boher, '05

B. H. Cates, '05

R. J. Shortlidge, 'o6

J. W. Nicholson, Jr., '07

B. Windle, '07

C. K. Drinker, 'c8

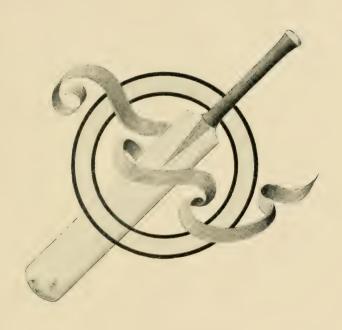
W. W. Kurtz, 2nd, '08

M. A. Linton, '08

C. A. Scott, '08

E. Wright, '08

G. K. Strode, '08





# Published Cricket Schedule, 1905

#### First Eleven

April 29-Frankford at Frankford.

May 6—Germantown at Manheim.

May 10—Next Fifteen at Haverford.

May 12—Harvard at Cambridge.

May 13—Moorestown at Haverford.

May 17—Philadelphia at Wissahickon Heights.

May 20—Belmont at Haverford.

May 23—U. of P. at Manheim.

May 27—All-scholastic at Haverford.

May 30—Cornell at Haverford.

June 3—Livingston Field Club at Haverford.

June 10—Merion at Haverford.

June 16-Alumni at Haverford.

### Second Eleven

April 20—Frankford at Haverford.

May 10—First Eleven at Haverford.

May 13—Gibbsboro at Haverford.
May 17—Merion at Haverford.

May 20—Belmont at Elmwood.

May 27—Philadelphia at Wissahickon Heights.

June 3—Linden at Camden.

June 5—Next Fifteen at Haverford. June 7—Radnor at Wayne.

June 10-Haddonfield at Haverford

### Third Eleven

April 29—Central High School at Haverford.

May 10—Friends' Select at Haverford.

May 13—Haddonfield at Haddonfield.

May 20—Frankford at Haverford.

May 27—Merchantville at Merchantville.

June 3—Belmont Juniors at Haverford.

June 5—Second Eleven.

June 7-Radnor High School at Haverford.

# Record of Cricket Matches, 1905

		First Eleven
April	29	Haverford
May	6	Frankford
May	IO	Germantown
•	: 0	Next Fifteen
May	12	Haverford
May	20	Haverford105
May	23	Moorestown 110 Haverford 280
		University of Pennsylvania114
May .	. 27	Haverford
May	30	Haverford
June	10	Cornell
June	16	Merion
June	10	Alumni
		Second Eleven
April	29	Haverford165
•		Haverford
May	29 13	Haverford165
•		Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67
May	13	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71
May May	13	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106
May May	13	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71         Linden       65
May May June	13 20 3	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71         Linden       65
May May	13 20 3	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71         Linden       65    Third Eleven Haverford     48
May May June	13 20 3	Haverford     165       Frankford     24       Haverford     81       Gibbsboro     86       Haverford     67       Radnor     106       Haverford     71       Linden     65       Third Eleven       Haverford     48       Central High School     76       Haverford     53
May May June April May	13 20 3 29 10	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71         Linden       65    Third Eleven Haverford     48 Central High School     76     Haverford     53 Friends' Select School     47
May May June April May May	13 20 3 29 10	Haverford
May May June April May	13 20 3 29 10	Haverford       165         Frankford       24         Haverford       81         Gibbsboro       86         Haverford       67         Radnor       106         Haverford       71         Linden       65            Third Eleven         Haverford       48         Central High School       76         Haverford       53         Friends' Select School       47         Haverford       63



HAVERFORD COLLEGE CRICKET TEAM, 1904 5.



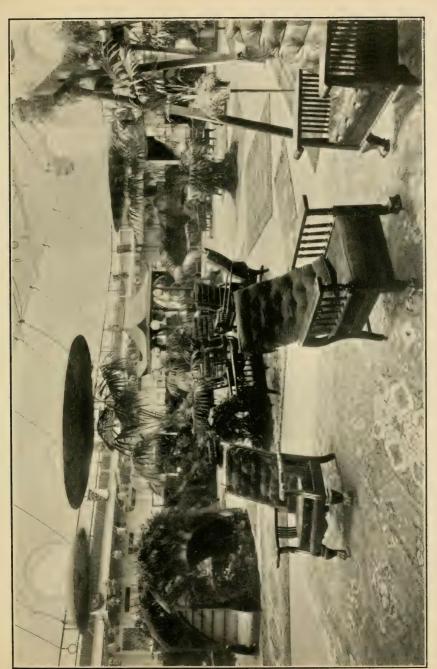
## Haverford College vs. Harvard University Harvard

narva	ra		
Storey, b. Priestman Taylor, c. Peirce, b. Priestman Gummere, b. Pleasants Bonbright, run out. Osborne, c. Philips, b. Priestman Mayer, b. Pleasants Smith, b. Priestman Newhall, b. Pleasants Reggie, c. Peirce, b. Priestman King, c. Doughten, b. Priestman Dougherty, not out Extras			0 1 23 0 0 2 5 0
Total			34
Bowling Ar	VALYSIS.		
В.	М.	R.	W.
Pleasants 42	2	17	3
Priestman	4	16	6
Haverford	O		
C. C. Morris, b. Taylor			. 0
F. D. Godley, c. Gummere, b. Bonl Doughten, b. Gummere			
Lowry, b. Gummere			
Pearson, c. Osborne, b. Taylor			. 23
Priestman, b. Taylor			. 3
Hopkins, b. Taylor			. 0
Pleasants, c. Gummere, b. Bonbrigh	1t		8
Spaeth, b. Bonbright	* * * * * * * * * * * * * * * * * * * *		. 10
Peirce, c. Smith, b. Taylor			
Extras			
Total			138
Bowling Ar	JALYSIS.		
В.	M.	R.	W.
Taylor	8	41	5
Osborne 18	I	4	o <sup>*</sup>
Bonbright	2	36	3

In the second inning Harvard made 34 for 8 wickets.

## Haverford College vs. University of Pennsylvania

TT 6 1.0	11	· ·	
Haverford Co	0		
C. C. Morris, c. Keenan, b. Graham			
F. D. Godley, c. Baker, b. Keenan			
H. W. Doughten, b. Keenan			
R. L. Pearson, not out			
A. G. Priestman, b. Goodfellow			
E. M. Evans, b. Graham			
A. H. Hopkins, b. Goodfellow			
H. Pleasants, c. Evans, b. Graham			0
E. Ritts, c. McFarlan, b. Keenan			
E. C. Peirce, b. Keenan			
Extras			23
Total			280
10tat			200
Bowling Anai	YSIS.		
В.	M.	R.	W.
Goodfellow168	7	76	.3
Keenan112	2	68	4
Evans	I	10 88	0
Graham	I		3
Lee 12	0	4 11	0
		11	
Pennsylvan			
F. S. White, b. Pleasants			12
F. W. Baker, c. Evans, b. Godley			40
R. Black, c. Peirce, b. Pleasants			5
W. F. Keenan, b. Pleasants M. Graham, b. Priestman			
A. G. Hare, c. Evans, b. Pleasants			
W. Evans, c. Evans, b. Priestman			
L. Lee, b. Pleasants			
D. Graham, not out			22
D. McFarlan, c. Morris, b. Godley			4
Extras			II
77 . 1			
Total			114
Bowling Anal	YSIS.		
В.	М.	R.	W.
Priestman102	6	41	2
Pleasants114	7	31	6
Godley 16	0	7	2
Lowry 12	0	9	0
Hopkins	0	15	0



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.



# Haverford vs. Cornell.

## Cornell

Bowling Analysis.   B.   R.   M.   W.	E. J. Gregson, l. b. w. Priestman A. H. Sayce, b. Priestman D. C. Close, c. Lowry, b. Godley E. J. H. Waters, b. Godley J. Adendorff, c. Peirce, b. Pleasants, J. C. Close, c. Hopkins, b. Godley T. M. McPherson, b. Doughten W. S. Peace, c. Priestman, b. God. S. H. Flint, c. Evans, b. Doughten. J. K. Van Bybault, not out A. Maugham, run out. Extras	ey		0 24 1 0 0 5 14 0 2 1
R.   R.   M.   W.	Total			90
Priestman         72         24         4         2           Pleasants         36         20         I         I           Godley         47         9         4         4           Pearson         18         II         0         0           Doughten         30         I4         2         2           Hopkins         12         6         0         0           Haverford           C. C. Morris, c. Waters, b. McPherson         55           F. D. Godley, not out         52           H. W. Doughten, not out         42           Extras         2           Total (I wicket)         15I           Lowry, Vans, Pearson, Priestman, Pleasants, Ritts, Hopkins and Peirce did not bat.           BowLING ANALYSIS           Gregson         B. R. M. W.           Gregson         36         22         0         0           Waters         36         30         0         0           Peace         24         27         0         0           McPherson         42         39         I         I	Bowling Ana	LYSIS.		
Pleasants	·	R.	М.	W.
Godley	Priestman72	24	4	2
Pearson	Pleasants36	20	Í	I
Pearson	Godley	Q	4	4
Doughten		II	•	
Hopkins		T.4		2
C. C. Morris, c. Waters, b. McPherson				
F. D. Godley, not out	Haverford	d		
Lowry, Vans, Pearson, Priestman, Pleasants, Ritts, Hopkins and Peirce did not bat.     Bowling Analysis.     B. R. M. W. Gregson	F. D. Godley, not out			52
Peirce did not bat.  Bowling Analysis.  B. R. M. W. Gregson 36 22 0 0 Waters 36 30 0 0 Peace 24 27 0 0 McPherson 42 39 I I	Total (1 wicket)			151
B.     R.     M.     W.       Gregson     36     22     0     0       Waters     36     30     0     0       Peace     24     27     0     0       McPherson     42     39     I     I			itts, Hopl	cins and
Gregson     36     22     0     0       Waters     36     30     0     0       Peace     24     27     0     0       McPherson     42     39     I     I	Bowling Ana	LYSIS.		
Waters     36     30     0     0       Peace     24     27     0     0       McPherson     42     39     I     I		R.	м.	W.
Peace       24       27       0       0         McPherson       42       39       I       I		22	0	0
McPherson42 39 I I		30	0	0
		27	0	0
	McPherson42	39	I	I
	Sayce24	31	0	0

# The English Tour, 1904

Haverford
Haverford 94 (5 wickets) Shrewsbury 168
Haverford
Cheltenham College
Haverford         197           Malvern         428 (5 wickets)
Haverford
Haverford
Marlborough
Haverford244 Marylebone C. C147
Haverford         178           Winchester         446 (7 wickets)
Haverford
Haverford
Haverford
Haverford
Haverford171 Repton190
Haverford
Haverford
Bootham Past and Present2 innings { 168 182

## Averages of the Haverford College Team

### BATTING.

101	1111110.			
No. of Innings	Total Runs	Times not out	Highest Score	Average
C. C. Morris 20	740	I	147*	38.42
W. P. Bonbright 20	498	0	69	24.92
R. L. Pearson 20	344	3	73	20.23
A. G. Priestman 15	238	3	50*	, 19.83
H. Pleasants, Jr 16	254	3	44	19.53
H. H. Morris 20	362	0	85	18.10
H. W. Doughton, Jr 18	304	I	40	17.84
A. H. Hopkins 17	264	I	47	16.52
A. T. Lowry 12	132	4	66*	16.50
F. D. Godley 19	289	I	52*	16.05
J. D. Philips 10	102	2	21	12.75
E. C. Pierce 6	34	2	17	8.50
R. P. Lowry 6	9	4	6	4.50
E. Ritts 2	8	.0	8	4.00
Team201	3578	25	147*	20.56

## Bowling.

	Overs	Maidens	Runs	Wickets	Average
A. G. Priestman	327.4	79	945	54	17.50
C. C. Morris	69.4	5	271	12	22.58
H. Pleasants, Jr	204.3	37	681	28 .	24.32
F. D. Godley	199.	29	575	23	24.50
A. H. Hopkins	148.4	27	520	20	26.00
A. T. Lowry	53.4	9	213	8	26.62
H. W. Doughten, Jr	86.	9	310	10	31.00
R. L. Pearson	75-	9	283	8	35.37
W. P. Bonbright	52.	. 4	251	5	50.20
Teams	1216.1	208	4049	168	24.10

## Cricket Prizes for 1904

#### First Eleven

Colors to F. D. Godley, '07.

Cope Prize Bat, for the best average, to W. P. Bonbright, '04; average, 31.29.

Congdon Prize Ball, for best bowling average, to F. D. Godley; average, 4.83.

Haines Prize Fielding Belt, H. H. Morris, '04.

#### Second Eleven

Class of '85 Prize Bat, P. D. Folwell, '04; average, 31.8. Class of '85 Prize Ball, A. E. Brown, '07; average, 7.55. Class of '85 Prize Fielding Belt, Elias Ritts, '05.

#### Other Prizes

Improvement Bat, J. D. Phillips.

Shakespeare Bat, to the Freshman with the highest average in inter-class matches, W. H. Haines, '07; average, 18.

C. R. Hinchman Prize Bat, A. H. Hopkins, '05, highest average, 89, in inter-collegiate matches.

Christian Febiger Prize Ball, F. D. Godley, best average, 3 1-3, in inter-collegiate matches.

Prize Bat, awarded best Freshman batsman, F. D. Godley.

Prize Bat, awarded best Freshman bowler, F. D. Godley.

Prize Cup, to best all around Freshman, F. D. Godley.

Class of '85 Prize Ball, for inter-class championship, Class of 1905.



# Cope Prize Bat

Year Name   Class   Average   1877—E. T. Comfort   '78   18.83   1878—E. T. Comfort   '78   10.03   1879—SAMUEL MASON   '80   14.   1880—SAMUEL MASON   '80   17.57   1881—T. N. WINSLOW   '81   12.5   1882—G. B. SHOEMAKER   '83   9.6   1883—W. F. PRICE   '81   11.88   1884—SAMUEL BETTLE   '85   17.25   1885—SAMUEL BETTLE   '85   23.   1886—G. S. PATTERSON   '88   32.8   1887—A. G. GARRETT   '87   35.66   1888—T. E. HILLES   '88   9.6   1889—R. L. MARTIN   '92   13.   1890—C. H. BURR, JR   '89   19.14   1891—J. W. MUIR   '92   26.25   1893—J. A. LESTER   '96   100.5   1894—J. A. LESTER   '96   62.2   1895—J. A. LESTER   '96   49.83   1896—J. A. LESTER   '96   49.83   1896—J. A. LESTER   '96   49.83   1896—J. A. LESTER   '96   49.83   1895—C. G. TATNALL   '97   9.85   1899—F. C. SHARPLESS   1900   26.   1900—F. C. SHARPLESS   1900   37.   1901—C. C. MORRIS   1904   35.29   1902—C. C. MORRIS   1904   35.29   1902—C	*		
1877—E. T. COMFORT       '78       18.83         1878—E. T. COMFORT       '78       10.03         1879—SAMUEL MASON       '80       14.         1880—SAMUEL MASON       '80       17.57         1881—T. N. WINSLOW       '81       12.5         1882—G. B. SHOEMAKER       '83       9.6         1883—W. F. PRICE       '81       11.88         1884—SAMUEL BETTLE       '85       17.25         1885—SAMUEL BETTLE       '85       23         1886—G. S. PATTERSON       '88       32.8         1887—A. G. GARRETT       '87       35.66         1888—T. E. HILLES       '88       9.6         1889—R. L. MARTIN       '92       13         1890—C. H. BURR, JR       '89       19.14         1891—J. W. MUIR       '92       38.5         1892—J. W. MUIR       '92       26.25         1893—J. A. LESTER       '96       100.5         1895—J. A. LESTER       '96       42.2         1895—J. A. LESTER       '96       42.2         1895—J. A. LESTER       '96       42.1         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         189	Year Name	Class	Average
1878—E. T. Comfort       '78       10.03         1879—SAMUEL MASON       '80       14.         1880—SAMUEL MASON       '80       17.57         1881—T. N. WINSLOW       '81       12.5         1882—G. B. SHOEMAKER       '83       9.6         1883—W. F. PRICE       '81       11.88         1884—SAMUEL BETTLE       '85       17.25         1885—SAMUEL BETTLE       '85       23         1886—G. S. PATTERSON       '88       32.8         1887—A. G. GARRETT       '87       35.66         1888—T. E. HILLES       '88       9.6         1889—R. L. MARTIN       '92       13         1890—C. H. BURR, JR       '89       19.14         1891—J. W. MUIR       '92       38.5         1892—J. W. MUIR       '92       38.5         1893—J. A. LESTER       '96       100.5         1894—J. A. LESTER       '96       49.83         1895—J. A. LESTER       '96       49.83         1896—J. A. LESTER       '96       49.83         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         1899—F. C. SHARPLESS       1900       36         1	1877—E. T. COMFORT	. '78	18.83
1879—Samuel Mason     '80     14.       1880—Samuel Mason     '80     17.57       1881—T. N. Winslow     '81     12.5       1882—G. B. Shoemaker     '83     9.6       1883—W. F. Price     '81     11.88       1884—Samuel Bettle     '85     17.25       1885—Samuel Bettle     '85     23.       1886—G. S. Patterson     '88     32.8       1887—A. G. Garrett     '87     35.66       1888—T. E. Hilles     '88     9.6       1889—R. L. Martin     '92     13.       1890—C. H. Burr, Jr     '89     19.14       1891—J. W. Muir     '92     38.5       1892—J. W. Muir     '92     38.5       1893—J. A. Lester     '96     100.5       1894—J. A. Lester     '96     40.83       1895—J. A. Lester     '96     49.83       1895—J. A. Lester     '96     49.83       1897—C. G. Tatnall     '97     9.85       1898—T. Wistar     '98     21.75       1899—F. C. Sharpless     1900     36.       1900—F. C. Sharpless     1900     37.       1901—C. C. Morris     1904     21.89       1902—C. C. Morris     1904     35.29	1878—E. T. Comfort	. '78	
1880—Samuel Mason       '80.       17.57         1881—T. N. Winslow       '81.       12.5         1882—G. B. Shoemaker.       '83.       9.6         1883—W. F. Price.       '81.       11.88         1884—Samuel Bettle       '85.       17.25         1885—Samuel Bettle       '85.       23.         1886—G. S. Patterson       '88.       32.         1887—A. G. Garrett       '87.       35.66         1888—T. E. Hilles       '88.       9.6         1889—R. L. Martin       '92.       13.         1890—C. H. Burr, Jr.       '89.       19.14         1891—J. W. Muir.       '92.       38.5         1892—J. W. Muir.       '92.       38.5         1893—J. A. Lester.       '96.       100.5         1894—J. A. Lester.       '96.       49.83         1896—J. C. Sharpless       1900.       26.         1900—F. C. Sharpless       1900.       36.         1900—F. C. Sharpless       1900.	1879—SAMUEL MASON	. '80	I4.
1881—T. N. Winslow       '81       12.5         1882—G. B. Shoemaker       '83       9.6         1883—W. F. Price       '81       11.88         1884—Samuel Bettle       '85       17.25         1885—Samuel Bettle       '85       23         1886—G. S. Patterson       '88       32.8         1887—A. G. Garrett       '87       35.66         1888—T. E. Hilles       '88       9.6         1889—R. L. Martin       '92       13         1890—C. H. Burr, Jr       '89       19.14         1891—J. W. Muir       '92       38.5         1892—J. W. Muir       '92       26.25         1893—J. A. Lester       '96       100.5         1894—J. A. Lester       '96       49.83         1896—J. A. Lester       '96       49.83         1896—J. A. Lester       '96       41.1         1897—C. G. Tatnall       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26         1900—F. C. Sharpless       1900       37         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29 <td>1880—Samuel Mason</td> <td>. '80</td> <td></td>	1880—Samuel Mason	. '80	
1882—G. B. SHOEMAKER.       '83       9.6         1883—W. F. PRICE.       '81       11.88         1884—SAMUEL BETTLE       '85       17.25         1885—SAMUEL BETTLE       '85       23.         1886—G. S. PATTERSON       '88       32.8         1887—A. G. GARRETT       '87       35.66         1888—T. E. HILLES.       '88       9.6         1889—R. L. MARTIN       '92       13.         1890—C. H. BURR, JR       '89       19.14         1891—J. W. MUIR       '92       38.5         1892—J. W. MUIR       '92       26.25         1893—J. A. LESTER       '96       100.5         1894—J. A. LESTER       '96       49.83         1895—J. A. LESTER       '96       49.83         1896—J. A. LESTER       '96       41.1         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         1899—F. C. SHARPLESS       1900       26         1900—F. C. SHARPLESS       1900       37         1901—C. C. MORRIS       1904       21.89         1902—C. C. MORRIS       1904       35.29	1881—T. N. Winslow	. '81	12.5
1883—W. F. Price.     '81     11.88       1884—Samuel Bettle     '85     17.25       1885—Samuel Bettle     '85     23.       1886—G. S. Patterson     '88     32.8       1887—A. G. Garrett     '87     35.66       1888—T. E. Hilles.     '88     9.6       1889—R. L. Martin     '92     13.       1890—C. H. Burr, Jr.     '89     19.14       1891—J. W. Muir.     '92     38.5       1892—J. W. Muir.     '92     26.25       1893—J. A. Lester.     '96     100.5       1894—J. A. Lester.     '96     40.83       1895—J. A. Lester.     '96     49.83       1896—J. A. Lester.     '96     41.1       1897—C. G. Tatnall.     '97     9.85       1898—T. Wistar     '98     21.75       1890—F. C. Sharpless     1900     36.       1900—F. C. Sharpless     1900     36.       1901—C. C. Morris     1904     21.89       1902—C. C. Morris     1904     35.29			
1884—Samuel Bettle       '85       17.25         1885—Samuel Bettle       '85       23         1886—G. S. Patterson       '88       32.8         1887—A. G. Garrett       '87       35.66         1888—T. E. Hilles       '88       9.6         1889—R. L. Martin       '92       13         1890—C. H. Burr, Jr.       '89       19.14         1891—J. W. Muir.       '92       38.5         1892—J. W. Muir.       '92       26.25         1893—J. A. Lester.       '96       100.5         1894—J. A. Lester.       '96       49.83         1895—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       49.83         1897—C. G. Tatnall.       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26         1900—F. C. Sharpless       1900       37         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29	1883-W. F. Price	. '8ï	
1885—Samuel Bettle       '85       23.         1886—G. S. Patterson       '88       32.8         1887—A. G. Garrett       '87       35.66         1888—T. E. Hilles.       '88       9.6         1889—R. L. Martin       '92       13.         1890—C. H. Burr, Jr.       '89       19.14         1891—J. W. Muir.       '92       38.5         1892—J. W. Muir.       '92       26.25         1893—J. A. Lester.       '96       100.5         1894—J. A. Lester.       '96       62.2         1895—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       41.1         1897—C. G. Tatnall.       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26.         1900—F. C. Sharpless       1900       37.         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29	1884—Samuel Bettle	. '85	
1886—G. S. Patterson       '88       32.8         1887—A. G. Garrett       '87       35.66         1888—T. E. Hilles       '88       9.6         1889—R. L. Martin       '92       13         1890—C. H. Burr, Jr.       '89       19.14         1891—J. W. Muir.       '92       38.5         1892—J. W. Muir.       '92       26.25         1893—J. A. Lester.       '96       100.5         1894—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       41.1         1897—C. G. Tatnall.       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26         1900—F. C. Sharpless       1900       37         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29	1885—Samuel Bettle	. '85	
1887—A. G. GARRETT       '87       35.66         1888—T. E. HILLES       '88       9.6         1889—R. L. MARTIN       '92       13         1890—C. H. BURI, JR       '89       19.14         1891—J. W. MUIR       '92       38.5         1892—J. W. MUIR       '92       26.25         1893—J. A. LESTER       '96       100.5         1894—J. A. LESTER       '96       49.3         1895—J. A. LESTER       '96       49.1         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         1890—F. C. SHARPLESS       1900       26         1900—F. C. SHARPLESS       1900       37         1901—C. C. MORRIS       1904       21.89         1902—C. C. MORRIS       1904       35.29	1886—G. S. Patterson	. '88	
1888—T. E. Hilles.       88       9.6         1889—R. L. Martin.       '92       13.         1890—C. H. Burr, Jr.       '89       19.14         1891—J. W. Muir.       '92       38.5         1892—J. W. Muir.       '92       26.25         1893—J. A. Lester.       '96       100.5         1894—J. A. Lester.       '96       49.83         1895—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       41.1         1897—C. G. Tatnall.       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26         1900—F. C. Sharpless       1900       37         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29			
1889—R. L. Martin     '92     13.       1890—C. H. Burr, Jr.     '89     19.14       1891—J. W. Muir.     '92     38.5       1892—J. W. Muir.     '92     26.25       1893—J. A. Lester.     '96     100.5       1894—J. A. Lester.     '96     62.2       1895—J. A. Lester.     '96     49.83       1896—J. A. Lester.     '96     41.1       1897—C. G. Tatnall.     '97     9.85       1898—T. Wistar     '98     21.75       1899—F. C. Sharpless     1900     26.       1900—F. C. Sharpless     1900     37.       1901—C. C. Morris     1904     21.89       1902—C. C. Morris     1904     35.29			
1890—C. H. Burr, Jr.       '89       19.14         1891—J. W. Muir.       '92       38.5         1892—J. W. Muir.       '92       26.25         1893—J. A. Lester.       '96       100.5         1894—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       41.1         1897—C. G. Tatnall.       '97       9.85         1898—T. Wistar       '98       21.75         1899—F. C. Sharpless       1900       26         1900—F. C. Sharpless       1900       37         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29	1880—R. L. MARTIN	. '02	
1891—J. W. Muir.     '92     38.5       1892—J. W. Muir.     '92     26.25       1893—J. A. Lester.     '96     100.5       1894—J. A. Lester.     '96     62.2       1895—J. A. Lester.     '96     49.83       1896—J. A. Lester.     '96     41.1       1897—C. G. Tatnall.     '97     9.85       1898—T. Wistar     '98     21.75       1899—F. C. Sharpless     1900     26.       1900—F. C. Sharpless     1900     37.       1901—C. C. Morris     1904     21.89       1902—C. C. Morris     1904     35.29	1890—C. H. BURR, JR	. 'Śg	
1892—J. W. Muir.     '92     26.25       1893—J. A. Lester.     '96     100.5       1894—J. A. Lester.     '96     62.2       1895—J. A. Lester.     '96     49.83       1896—J. A. Lester.     '96     41.1       1897—C. G. Tatnall.     '97     9.85       1898—T. Wistar     '98     21.75       1899—F. C. Sharpless     1900     26.       1900—F. C. Sharpless     1900     37.       1901—C. C. Morris     1904     21.89       1902—C. C. Morris     1904     35.29	1891—J. W. Muir	. '02	
1893—J. A. LESTER     '96     100.5       1894—J. A. LESTER     '96     62.2       1895—J. A. LESTER     '96     49.3       1896—J. A. LESTER     '96     41.1       1897—C. G. TATNALL     '97     9.85       1898—T. WISTAR     '98     21.75       1899—F. C. SHARPLESS     1900     26       1900—F. C. SHARPLESS     1900     37       1901—C. C. MORRIS     1904     21.89       1902—C. C. MORRIS     1904     35.29	1892—J. W. Muir	. '92	
1894—J. A. LESTER.       '96.       62.2         1895—J. A. LESTER.       '96.       49.83         1896—J. A. LESTER.       '96.       41.1         1897—C. G. TATNALL       '97.       9.85         1898—T. WISTAR       '98.       21.75         1899—F. C. SHARPLESS       1900.       26.         1900—F. C. SHARPLESS       1900.       37.         1901—C. C. MORRIS.       1904.       21.89         1902—C. C. MORRIS.       1904.       35.29	1893—J. A. LESTER	. '96	
1895—J. A. Lester.       '96       49.83         1896—J. A. Lester.       '96       41.1         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         1899—F. C. SHARPLESS       1900       26         1900—F. C. SHARPLESS       1900       37         1901—C. C. MORRIS       1904       21.89         1902—C. C. MORRIS       1904       35.29	1894—J. A. Lester	. '95	
1896—J. A. Lester.       '96       41.1         1897—C. G. TATNALL       '97       9.85         1898—T. WISTAR       '98       21.75         1899—F. C. SHARPLESS       1900       26         1900—F. C. SHARPLESS       1900       37         1901—C. C. MORRIS       1904       21.89         1902—C. C. MORRIS       1904       35.29			
1897—C. G. TATNALL     '97     9.85       1898—T. WISTAR     '98     21.75       1899—F. C. SHARPLESS     1900     26       1900—F. C. SHARPLESS     1900     37       1901—C. C. MORRIS     1904     21.89       1902—C. C. MORRIS     1904     35.29	1896—J. A. Lester	. '96	
1898—T. WISTAR     '98     21.75       1899—F. C. SHARPLESS     1900     26       1900—F. C. SHARPLESS     1900     37       1901—C. C. MORRIS     1904     21.89       1902—C. C. MORRIS     1904     35.29			
1899—F. C. Sharpless       1900       26.         1900—F. C. Sharpless       1900       37.         1901—C. C. Morris       1904       21.89         1902—C. C. Morris       1904       35.29			
1900—F. C. SHARPLESS.       1900.       37.         1901—C. C. Morris.       1904.       21.89         1902—C. C. Morris.       1904.       35.29			
1901—C. C. Morris	1900—F. C. SHARPLESS	. 1900	37.
1902—C. C. Morris	1901—C. C. Morris	. 1904	21.89
1903—C. C. Morris 50.56			
1904—W. P. Bonbright	1904—W. P. Bonbright	. 1904	31.29

# Congdon Prize Ball

0		
Year Name	Class	Average
1877—J. M. W. Thomas	78	1.11
1878—E. T. Comfort	'78	6.47
1879—W. C. LOWRY	'79	5.81
1880—B. V. Thomas	'83	5.78
1881—W. L. BAILY	*83	5.31
1882—A. C. Craig	'84	4.30
1883—W. L. Baily		8.00
1885—W. F. HILLES	'85	4.50
1886—A. C. GARRETT	'87	8.25
1887—J. W. Sharp, Jr	'88	7.86
1888—H. P. Baily		5.47
1889—H. P. Baily		5.86
1890—H. P. Baily	'90	6.50
1891—D. H. Blair		17.50
1892—JOHN ROBERTS		7.33
1893—John Roberts		7.90
1894—A. P. Morris		5.97
1895—A. P. Morris		
1896—J. A. Lester	'96	6.19
1897—R. S. WENDELL	1900	8.25
1898—L. W. DEMOTTE	1901	5.22
1809—W. S. HINCHMAN	1900	9.40
1900—L. W. DEMOTTE	1901	6.00
1901—L. W. DEMOTTE	1901	8.13
1902—N. A. Scott		
1903—H. Pleasants, Jr		
1904F. W. Godley	1907	4.83

# Haines Prize Fielding Belt

				0	
<i>Year</i>	Name	Class		Name	
1877—A. L.	Baily	'78	1891—G.	Thomas, 3D	'91
	SHEPPARD		1892—S.	W. Morris	'94
1879—A. P.	Corbitt	. '80	1893—W	. W. Supplee	'95
1880—W. F.	Price	. '81	1894—F.	P. RISTINE	'94
1881—B. V.	THOMAS	'83	1805—J.	H. Scattergood	'96
1882—S. B.	SHOEMAKER.	. '83	1806-A.	G. Scattergood	'98
	. Baily		1897—A.	G. SCATTERGOOD	'98
1884—W. S	. Hilles	. '85	1898—A.	G. Scattergood	'98
1885—W. F.	Price	. '81	1899—W	. S. Hinchman	1900
1886—J. W.	Sharp, Jr.,	188	1900-W	. V. Dennis	1902
1887—H. P.	Влич	. '90	1901—C.	C. Morris	1904
1888—C. H.	Burr, Jr	. '89	1902—A.	C. Wood, Jr	1902
1889—J. S.	STOKES	. '86	1903—J.	B. Drinker	1903
1890—J. W.	MUIR	. '90	1904—H.	H. Morris	1904

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1888 Joseph W. Sharp, Jr.

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1890 WILLIAM PERCY SIMPSON

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Vol. III. Eighth Month, 1905

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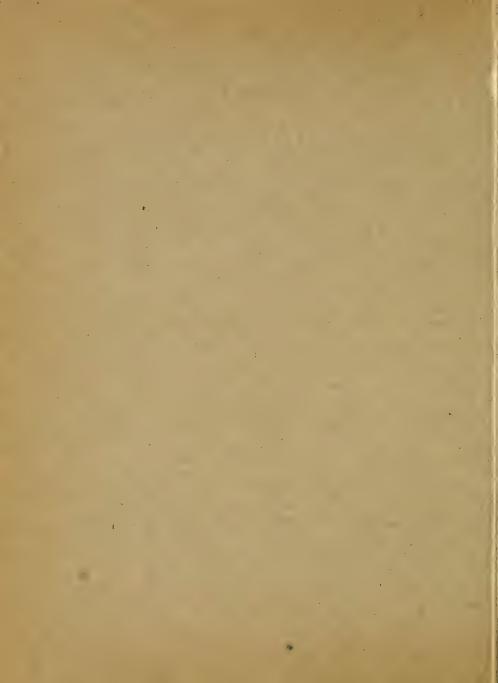
# Alumni Aumber

1904-1905



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



## Proceedings

of the

Forty-ninth Annual Meeting

of the

# Alumni Association

of

# Haverford College

Held in Roberts Hall, June 16, 1905

Oration by

WILMOT R. JONES



THE Forty-ninth Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 16, 1905. In the absence of the president, Dr. William Draper Lewis, '88, vice-president, called the meeting to order at 5.45 P. M.

On motion the roll call was omitted, but it was estimated that about seventy-five members attended the meeting.

The reading of the minutes of the last annual meeting was also omitted on motion, since printed copies of the proceedings had been sent to each member of the Association.

In accordance with the regular order of business, the annual report of the Executive Committee was read and on motion accepted. The report follows:

To the Alumni Association of Haverford College:

Your Executive Committee respectfully reports that it has held two meetings during the past year, one in the autumn and one this spring, for the transaction of the usual routine business.

The regular mid-winter dinner was held on February 12, 1905, at the Bellevue-Stratford, to which place we were compelled to go for accommodation by the very large number who desired to attend. About 220 persons sat down at this dinner, which was enjoyed by those present, chiefly because of the very delightful speech made by Justice David J. Brewer, of the United States Supreme Court. Other speakers who contributed to the pleasure

of those present were President Isaac Sharpless, Wilmot R. Jones, '82; Isaac T. Johnson, '81; Henry S. Drinker, '00, and H. N. Thorn, '04.

The arrangements for the proper celebration of Alumni Day have been delegated to a special committee, who have wisely decided to conbine this day with Commencement Day, as was done so successfully last year.

Your committee would suggest for your consideration the desirability of appointing as Secretary of your Association an Alumnus who can devote a large amount of time to the work. Such an officer, re-elected for a number of years, could, by co-operating with the College authorities, do much to keep our Alumni generally in closer touch with the institution, and thus influence them to send their own sons to Haverford, as well as to urge others to do likewise.

Reports from the various standing committees have been received and will be submitted at the annual meeting.

The deaths of the following matriculates of Haverford College have been reported to the Secretary during the past year:

'43 Francis White, Sept. 11, 1904

'44 George T. Heston, Aug. 18, 1904

'46 Robert Valentine, Mar. 14, 1905

'65 Robert B. Taber, Mar. 27, 1905

'90 Henry N. Conard, Dec. 27, 1904

'90 Henry L. Gilbert, June 23, 1904

Respectfully submitted,

C. J. RHOADS, Secretary.

PHILADELPHIA, June 15, 1905.

The Committee on Membership presented the following report, which was duly accepted, and the gentlemen named therein were thereupon admitted to membership in the Association.

## To the Alumni Association of Haverford College:

The committee appointed at the last annual meeting to nominate new members to the Association report that they have met and agreed upon the following nominations:

> I. Tyson Morris, '72 S. Franklin Sharpless, '72 Dr. Thomas J. Orbison, '88 Cadwalader W. Kelsey, '03 William S. Bradley, '04 Edward Bevan, '04 W. M. Powell, '94 L. M. Perkins, '04 Raymond Owen, '04

> > Respectfully submitted,

HENRY COPE, '69, Chairman.

HAVERFORD, June 16, 1905.

The report which follows, from the Treasurer, was read and accepted, the accounts having been duly audited:

## TREASURER'S REPORT

### General Account.

#### RECEIPTS.

TCCCIT 13,	
Balance as per report of June 10, 1904	\$155.01
Subscriptions for General Purposes	632.50
Interest on Deposits	12.58
	\$800,00
Description	4000.09
PAYMENTS.	
Supper at the College, June 10, 1904	
Printing Annual Report	67.75
Stamps, Stationery, Printing and Clerical Services	54.55
Prize for Oratory for 1904	50.00
Medal for Prize for Oratory for 1905	4.00
Incidental Expenses at Annual Meeting, June 10, 1904	26.00
Committee on Matriculate Catalogue, fourth and fifth,	
being the final instalments on account of indebtedness,	
as per Resolution at Annual Meeting, June 12, 1901	200.00
Deficit on Midwinter Dinner	34.35
Balance	38.44
	\$800.09
Midwinter Dinner Account.	
Receipts.	
	C
215 Subscriptions at \$3.50.	
13 Subscriptions toward Deficit on Dinner Account	
From General Fund to cover Deficit	34-35
	\$899.85
PAYMENTS.	
Bellevue-Stratford Hotel, cost of dinner	\$800.00
Printing, Stationery and Incidental Expenses	
	90.03
	\$899.85

## Cricket Pavilion Fund.

#### RECEIPTS.

Balance as per Re	port of June 10, 1904	\$762.97
Class of 1854.	.,,	5.00
1867		20.00
1869		12.00
1876		5.00
1886		20.00
1888		50.00
1889	••••	100.00
1890		5.59
1897		55.00
1900	• • • • • • • • • • • • • • • • • • • •	3.00
1902	• • • • • • • • • • • • • • • • • • • •	12.00
1906		35.50
	\$	1,086.06

#### PAYMENTS.

Lynch	Bros.,	Balance	of	Contract	for	Erecting	the	
Pav	vilion							\$994.00
Architec	ct, for	preparing	ex	tra set of p	plans			75.00
Laying	floor a	nd putting	, up	sign				17.06

\$1,086.06

## Respectfully submitted,

Jonathan M. Steere, Treasurer.

We have examined the foregoing account, compared the payments with the vouchers and find them to be correct.

O. M. CHASE,
A. G. SCATTERGOOD,
Auditing Committee.

The election of officers and an Executive Committee for the ensuing year being then in order, the following report was read:

## To the Alumni Association of Haverford College:

The committee appointed at the last annual meeting to nominate officers and an Executive Committee for the ensuing year submit the following nominations:

President—Rufus M. Jones	Class	'85
Vice-Presidents-William M. Longstreth	66	'72
Frederick L. Baily	44	'77
Frederic H. Strawbridge	66	'87
Treasurer—Jonathan M. Steere	66	'90
Secretary—Charles J. Rhoads	66	'93
Executive Committee—William W. Comfort	66	'94
Thomas Evans	66	'89
Erroll B. Hay	66	'95
Francis R. Cope, Jr	66	'00
Henry S. Drinker	66	'00
Alfred C. Maule	66	'99
E. Converse Peirce	66	'05

Respectfully on behalf of the Committee,

ALLEN C. THOMAS, Chairman.

Haverford, June 1, 1905.

On motion the report was accepted and the gentlemen named therein were declared elected to the respective positions:

The following reports of special committees were then read, accepted on motion and the respective committees discharged, with the thanks of the Association for their services:

### REPORT OF COMMITTEE ON ALUMNI ORATORICAL PRIZE

To the Alumni Association of Haverford College:

The Committee on the Alumni Oratorical Prize respectfully reports:

The annual contest for the Alumni Prize in Oratory took place in Roberts Hall on May 25, 1905, at 8 o'clock P. M. Of your Committee there were present Mr. Alden Sampson, Mr. Alfred Percival Smith, Mr. Clarence G. Hoag and the Chairman. The following gentlemen acted as Judges: Henry Pleasants, Esq., of the Philadelphia Bar; Mr. J. Randall Williams, of Haverford, and Hon. Algernon B. Roberts, State Senator from Montgomery County.

The Judges and the members of your Committee were entertained at dinner by President Sharpless and Dr. Hancock.

There were five orations, as follows:

- I. A Call for 75,000 Volunteers.....Paul Jones, '05, Wellesley Farms, Mass.
- 2. Reason and the Feelings....Lindley Smith, Jr., '05, Philadelphia, Pa.
- 3. The New Democracy.....Chester Jacob Teller, '05, Allentown, Pa.
- 4. Jackson and the Spoils System,

Warren Koons Miller, '06, Allentown, Pa. 5. The Memory of Voltaire,

Elliott Bartram Richards, '06, Merion, Pa.

An oration entitled "To the Unknown—An Appreciation," by Walter Carson, of Camden, N. J., of the Class of 1896, was omitted by reason of the illness of the contestant.

Hon. Algernon B. Roberts announced the decision of the Board of Judges, awarding the prize to Chester Jacob Teller.

The orations were all good, and showed the results of the excellent work of Dr. Hancock, which has marked the character of these contests during the past years.

The audience was larger than last year, but there were still to be observed a few empty seats in Roberts Hall. A contest of the character which this has attained certainly deserves the support of those interested generally in the work done at Haverford, as well as of the members of the immediate families of the contestants.

Your Committee again calls the attention of the Association to suggestions which have come to it as to dividing the sum appropriated for this prize into two parts, constituting first and second prizes. Any action to this end could only, it appears, be properly taken by the Association, and not by either the Executive or this Special Committee. Your Committee does not recommend a change at the present time, but submits the matter to the attention of the Association for such action, if any, that may be desired.

On behalf of the Committee.

PARKER S. WILLIAMS, Chairman.

16 June, 1905.

At the conclusion of the reading of this report the Alumni Prize Medal was formally awarded to Mr. Chester J. Teller, '05, the winner of this year's contest.

#### REPORT OF COMMITTEE ON ATHLETICS.

To the Alumni Association of Haverford College:

Long before the New Zealander stands on that broken arch of London bridge to sketch the ruins of the great cathedral near by, many things will happen, and among others likely to antedate that event may well be the abandonment of the modern practice of writing reports about things accomplished and forgotten for those who will never read them, although often, as on this beautiful summer afternoon, numerous innocent people are present on occasions when they are read. Until that hour arrives, of happy relief for those who write these documents and for the innocent persons referred to, many reports must needs be written, in accordance with that custom which has the force of law. There is, therefore, no need of explanation or apology from this Committee in presenting another annual report to this Association.

The year under review has been marked by some interesting events, among which the third visit of the College Cricket Eleven to England to meet, by invitation, the Public Schools of our mother country on those famous playing fields is the most interesting and important.

The verdict of those competent to judge, on either side of the ocean, is unanimous that the cricket shown by our eleven last year was better than that exhibited by the other two elevens whose good fortune it was to have the same experience of playing the noble game on English soil and of enjoying English hospitality. The visit itself, apart from the cricket education which it furnished, was most delightful. The cordial kindness of all whom they met makes one realize that in peace no less than in war "blood is thicker than water." There is but one drawback—there seems no probability of our having the opportunity of returning this hospitality.

While Captain C. C. Morris led the averages and was the most conspicuous figure in the batting, as was to be expected from his previous career, the batting was more consistent than that of the other teams, and the fact that twelve out of the fourteen players had an average in double figures, while the team average was over twenty, proves this.

An English critic, reviewing the Public School cricket of 1904 in Lillywhite's Cricketers' Almanac, writes of our players: "We may regard them as more than equal to all save our best Public Schools, and in this category I would place Winchester, Repton, Eton, Malvern and Uppingham (whom our visitors did not play). In fielding they have nothing to learn, and to many schools have much to teach. The bowling was varied, but perhaps in that department there is room for improvement, which doubtless will be manifest when they next visit us, and may that be soon."

There is no doubt that our kind, if not partial, censor is thoroughly correct as to the bowling. There was much very good bowling done last summer in England, and this summer by the same bowlers on our home creases; but there seems to be an opening for bowlers like some whose names will at once suggest themselves and who made

Haverford cricket conspicuous in this respect. The importance of finding and developing latent talent, if such there be at the College, has been alluded to in other reports. May such be found, and may those on whom the mantle has now fallen do their best next year, and as long as they may be in the game at Haverford, or elsewhere, to improve themselves in this particular.

Of the English matches last year, five were won, two were lost and eight were drawn. Most of the latter were even or in favor of Haverford.

The thanks of all Haverfordians are again due to Henry Cope, '69, for his invaluable services in arranging and in conducting the tour.

The cricket season of 1905, just over, was marred by wet weather, and by the cancellation of some games. The latter happening is always unfortunate and discouraging. Some members of the eleven showed marked improvement over last year's form, an improvement easily and justly attributable to their English experience. The eleven loses five of its members at Commencement, and this should stimulate the younger cricketers in College to especial efforts this summer and next winter in the shed.

The work in the gymnasium was carried on with interest under the efficient direction of Dr. James A. Babbitt. The usual joint exhibition between Princeton, Columbia, Pennsylvania and Haverford was held, and proved an interesting affair. There were meets with University of Pennsylvania, Lehigh University and Rutgers. Haverford lost the first two, the Lehigh contest by a narrow margin, and won the Rutgers meet.

The track team had meets with Annapolis and Wesleyan University, losing the former and winning the latter. The records made on each of these occasions were creditable.

The foot-ball season was a successful one, the team winning every game, without being scored on, until the final game with Swarthmore, which was lost, 27 to 6. Whatever Swarthmore and her supporters may feel about that game and the team which won it, it is certain that Haverfordians were never prouder of any eleven wearing the colors of their College than of the eleven who strove on that afternoon so valiantly against what looked like overwhelming odds. It was a wonderful exhibition of pluck and nerve. The score at the end of the first half stood II to 6. In the second half the greater weight of the other side told, although until the last fifteen minutes the Haverford playing seemed little inferior to their opponents. The result of the season and of this game is due to the intelligent, skilful coaching of H. Norman Thorn, Haverford, 1904, and to the loyal support given to him by Captain Hopkins and his eleven, and by those who formed the "scrub" eleven. The assistance of many Haverfordians, former players, was greatly appreciated and is here acknowledged. The untiring attention to the physical condition of all the foot-ball players and the professional skill and knowledge freely given by Dr. Babbitt, Director of the Gymnasium, will not be forgotten, and yet should be acknowledged here. The splendid condition of the eleven throughout the season and their freedom from serious injuries speak eloquently of his care, for which all Haverfordians unite in cordial thanks to him.

Most Haverfordians interested in foot-ball and in this annual game have undoubtedly learned that the College foot-ball management declined early last winter the customary invitation to arrange the usual game with Swarthmore for the coming season. This conclusion was not hastily reached, but was the result of the deliberate and practically unanimous judgment of the College, in which your Committee fully concurred, and it has been accepted with hearty approval and substantial unanimity by the Alumni. This being the case, it is not necessary to enter into the subject here beyond recording the fact and making this statement.

The foot-ball schedule for the coming season has been completed and the final game has been arranged with Trinity College, Hartford, Conn. H. N. Thorn, '04, will again have charge of the coaching.

Association foot-ball was played during last winter and spring, and the College team won first place in the Cricket Club League. The team also had the honor of playing, with a team from Harvard University, the first Intercollegiate Association foot-ball matches, the first at Cambridge and the second at Haverford. In both games the players were evenly matched and the scores low and close. Haverford, by better team work, resulting from more experience and practice, won both games.

This game is one which your Committee is glad to see taking a foothold in Philadelphia and at the College. There is much to commend it, both in the game itself and in the ethics which govern its playing. It is true that these ethics may deteriorate and degenerate, under the pressure of the fierce rivalries engendered in modern

spectacular sports; but at present the game is a game and not a battle, and is played in a friendly, sportsmanlike spirit. This is especially true of the best exponents of the game, men who do not have the maxims and practices of American college foot-ball to unlearn or to forget. The rules are strict and are capable of prompt and sure enforcement, and infringements of a grave character are punished by the removal of the offending player, and no substitute is allowed to replace him. The affecting sight of a player limping heavily off the field, soon to be seen running up and down the side lines watching and cheering his late associates, is also wanting, since the play is confined to the men who begin the game, and no substitutes are allowed for those incapacitated by injuries. Such incapacity is of infrequent occurrence.

The game has the advantage of not requiring severe training, so that after leaving College men can play it on holiday afternoons until they are well on towards middle life.

In conclusion, perhaps we may be permitted to add a few words as to eligibility rules. It is lamentable that any need for such rules should ever exist, among school or college athletes especially. Everyone knows what is fair and just and right on every subject about which it is possible to construct rules. This is evidenced by the fact that school or college players can promptly decide what principles in sport are fair and just for other schools and colleges to practice. Given the requisite information—that is, the information in the possession of these other schools and colleges—and they could almost instantly decide, and decide correctly, that more difficult and vexing question, the eligibility of particular players.

Conceding, however, what seems to be generally allowed, that school and college athletes cannot safely be intrusted with deciding these things for themselves without pooling their opinions in the form of elaborate codes of rules for their guidance under most conceivable circumstances, it may well be asked why a simpler plan is not adopted until the unwritten laws of honor and fair play govern everywhere and equally all these contestants.

If anyone should know, or should be able to find out, what boys or young men are eligible to play for his school or college, it is certainly the head master or principal of the school and the president of the college, respectively. If the responsibility as to players were placed with these gentlemen, it would be put where the student body, the public, and even the parents—a modest but not altogether negligible quantity in these matters—could find it. In the long run we may expect that men will care more for the good name and honest fame of their respective institutions of learning than for the temporary eclat of building up successful athletic teams at the expense of all that makes success worth while.

These remarks, of course, are written only for a college circle. Into the province of modern university athletics it would be unbecoming to enter. These vast organizations, around whose seals might well be inscribed the legend "humani nihil a me alienum puto," where nearly everything of human interest is on the intellectual bill of fare, should, it would seem, as universities, class by themselves.

Indeed—still speaking with the diffidence of modest men in the presence of a great and little understood theme—would it not be well if so great an effort as directing modern university athletics were abandoned altogether, and if these athletics—if time can be found for their competitive pursuit by university men—were distributed among the various schools of these great aggregations of educational capital, giving to each school its own teams? We should, of course, miss the imposing figures setting forth yearly the financial results of university athletics, but possibly athletics would not suffer, and, conceivably, as many university men would share in whatever benefits may be derived from the track, the diamond or the gridiron.

But, brethren, let us leave these things which are too high or too deep for your Committee, and turn for a moment longer to that more modest theme from which we have wandered.

Haverford athletics are, we believe, in a healthy state—that is, the conditions are clean and the various games and sports are followed with interest by a very fair proportion of the students, each choosing that which appeals to him for its own sake or that to which College loyalty leads him. There are doubtless forms of exercise that the wiser, better informed judgment of future years will change or abolish. As to these things, each man, and many mothers, will have their own, and probably differing, opinions. It would seem that in other things besides municipal politics one must wait for what in these days is called the "psychological moment" before great changes or revolutions can be made. When that moment comes to the athletic world we may be very sure that those then

in charge of Haverford athletics will be ready and willing to join in all wholesome reforms.

On behalf of the Committee,

EDWARD BETTLE, JR., Chairman.

HAVERFORD, Sixth Month 15, 1905.

To the Alumni Association of Haverford College:

The chairman of the "Committee to Interest Students at Preparatory Schools in Haverford College" respectfully presents the following report:

One meeting of the committee was held during the winter, at which matters within the sphere of your committee's work were discussed. Most of our efficient work, however, has been done by correspondence, either between members of this committee or in response to appeals that have come from outside. In numerous cases information regarding the College has been sent through our instrumentality to interested inquirers or to possible patrons. The members of this committee are E. S. Cary, '92; E. M. Wilson, A.M., '94; J. A. Lester, '96; J. H. Scattergood, '96; J. T. Rorer, '94; L. J. Palmer, '94; S. W. Mifflin, '00; W. H. Wood, '01; H. J. Cadbury, '03.

On behalf of the Committee,

W. W. Comfort, '94, Chairman.

HAVERFORD, PA., June 6, 1905.

It was moved and carried that the incoming President make appointments for the following committees, and the names which appear below were subsequently announced: COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, Chairman Richard T. Cadbury, '72 J. Whitall Nicholson, '76 Charles S. Crosman, '78 George Thomas, 3rd, '91 William C. Longstreth, '02 Howard Brinton, '04

COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

Alden Sampson, '73, Chairman James Emlen, '74 Albert L. Baily, '78 William P. Morris, '86 William H. Futtrell, '87 William F. Overman, '89 William W. Cadbury, '98

COMMITTEE ON ALUMNI ORATORICAL PRIZE.

Parker S. Williams, '94,

Chairman
Alden Sampson, '73

94, Alfred Percival Smith, '84 Chairman William Draper Lewis, '88 Clarence G. Hoag, '93

COMMITTEE ON ATHLETICS.

Joseph W. Sharp, Jr., '88, Chairman Henry Cope, '69 William C. Lowry, '79 Dr. Thomas F. Branson, '89 John A. Lester, '96 J. Henry Scattergood, '96 Alfred M. Collins, '97 Dr. Francis B. Jacobs, '97 Christopher C. Morris, '04

COMMITTEE TO INTEREST STUDENTS AT PREPARATORY SCHOOLS IN HAVERFORD COLLEGE.

William W. Comfort, '94,

Chairman

Egbert S. Cary, '92 Erroll B. Hay, '95

Charles J. Rhoads, '93

J. Henry Scattergood, '96 John E. Lloyd, '00 Abram G. Tatnall, '00 William W. Pusey, 2d, '02

Committee to Audit the Treasurer's Accounts.

Oscar M. Chase, '94

Alfred G. Scatergood, '98

On behalf of a voluntary committee, Mr. Henry Cope, '69, announced that subscriptions towards the cost of the proposed new Dining Hall had been received amounting to \$40,300. Mr. Cope further stated that President Sharpless had by his personal efforts secured at least \$30,000 of these subscriptions, notwithstanding a severe attack of illness this spring. The Association unanimously passed a vote of appreciation of President Sharpless' work in this connection and expressed the hope that a complete rest during the summer vacation would restore him to health.

The chairman announced that supper would be served on the lawn at 7 P. M., and that Mr. Wilmot R. Jones, '82, would deliver the alumni address at 8.15 P. M. in Roberts Hall, after which the meeting adjourned on motion.

The evening session was called to order at 8.30 P. M. The Chairman introduced Mr. Wilmot R. Jones, '82, who delivered an able address, which follows, at the conclusion of which Dr. William W. Comfort, '94, moved that the thanks of the Association be tendered to Mr. Jones and that he be requested to furnish the Association with a copy of his address for publication. This motion was unanimously carried, after which the meeting adjourned.

C. J. Rhoads, Secretary.



## Character in Practice

An address delivered by

WILMOT R. JONES

Before the

# Alumni Association of Haverford College

JUNE 16, 1905



## Character in Practice

I should be less than human if I did not place a high value upon the honor that you pay me to-night in asking me to speak for you and this college—Haverford—the greatest true college in America. I thank you cordially for this honor.

Now nearly a quarter of a century ago, I spoke in the old Alumni Hall upon "The Quaker in History." Tonight I speak upon pretty much the same subject, "Character in Practice." Then I dwelt upon William Penn, Joseph Sturge, and John Bright, great character forces of all times. I spoke then of the past, now I speak of the present and the future. If my subject to-night has a broader application, it is due to the conditions of life and thought imposed upon us all by this institution we so much delight to honor.

Gentlemen, we cannot agree with Emerson, that an institution is the lengthened shadow of one man. Some institutions are, some are not. It is true that all of us may share in some degree the life and purpose and honor of this institution. For what, after all, is the high function of an American college? Is it not in simple words to take the youth from his narrow home life, where he learns what mother means, and what father means, and interpret to him this wider American world-life of ours, and then show him how to go to work to become in his time a

maker of a home, a town, of a city and of a nation? Give him, in a word, the highest efficiency and intelligence. In this view of the college is not the alumnus the very incarnation of its essential life?

When I had been in Pittsburgh but a very short time, I was asked what impressed me most in the life of the city. I replied, "The unfinished condition of things." "Especially the people," said a brilliant lady standing near. "If that be so," I said, "then there is a lot of hope for my business." Is it not true that nothing is finished—that everything, the temples made with hands and the temples not made with hands, is in process of making? We must, then, gentlemen, accept our places. This Haverford of ours must be builded. This interpretation of American life we must give an ever higher place. We must make the science and the history and the literature and the philosophy, the technical training, the fine Christian ethics, and the lofty religion taught here, help us in shaping the life of the community in which we live. We must believe that the true grandeur of character most appears in action, that religion has no benediction for the Peacelover, but rather for the Peace-maker. He is out on the front battle line, wrenching peace, if it need be, out of conditions of social and political unrest and disorder. He bears the marks of utter service and devotion. Where, let me ask you, is such a man more needed than in greater Philadelphia? Why should he not come, as he has come in the past, from Haverford, whose great inner heart-life has always made promise of men who dare to forge through to the front in a war begun in your consecrated hall by Washington himself in 1787?

At the small risk on my part of making you blush with shame at what has happened since so near that hall, let me bring to your mind that hour of long ago. You know the story better than I do. The scene and business are purely American, American in strength, American in weakness! Here is the one chance to shape a Government that should not perish from the earth. "Yet at the very outset," says Fiske, "some of the delegates began to exhibit that peculiar kind of moral cowardice which is wont to afflict Free Government and of which American History furnishes so many instructive examples." Trimming began, palliatives and half-measures were suggested, instead of thorough-going reform. At this moment, critical for America and for the world beyond all expression, rising from his President's chair, his tall figure drawn up to its full height, Washington exclaimed in tones unwontedly solemn, with suppressed emotion: "It is too probable that no plan we propose will be adopted. Perhaps another dreadful conflict is to be sustained. If, to please the people, we offer what we ourselves disapprove, how can we afterwards defend our work? Let us raise a standard to which the wise and the honest can repair. The event is in the hands of God!" Here is moral tonic for the ages! Here is true American character in practice, and was the example of Washington in this ever more needed? In spite of all the blazon of moral light, what desecration of the temple of our liberties! What is the meaning of these selfish vaunts of your ward leaders? What is the meaning of the shameless, falsehood from this very Philadelphia, "Corrupt, but satisfied?" What is the meaning of this cowardly pessimism from all over the country, always despairing of our city governments? What is pessimism, anyway, but a contemptible hiding-place for the indolent, the lazy and the cowardly? Years ago Wendell Phillips got down to the root of the matter when he said, "If you want to solve a problem tear it open and riddle it with light!" Do sons of Haverford need to be told that the scourge of small cords is always in the hand of one man? that if Napoleon was an offset in war for ten thousand men, the Jeromes of New York, the Weavers of Philadelphia, the Dunnes of Chicago and the Folks of St. Louis are, each in his place, an offset by moral purpose for fifty thousand timeserving scoundrels? Modern specialization has its very finest illustration in these men, who say, "This one thing I do, and I must do it well: I must cleanse this temple of our liberty."

Do you recall that splendid telegram of only the other day sent to your own Mayor from the Governor of Missouri? "Keep up the fight; the cost will sometimes seem hard, and the way dark, but remember, no matter how mighty the forces of corruption may be, you have behind you the *strongest* machine in the world, the heart and conscience of the people of America." So it is, in our time, the moral lights strike their hot rays across the continent, concentrate in one man upon the plague spots of society and burn them out.

My friends, it is strange irony that it should be Spencer who brings us the fact that the cross upon which the Master of Men suffered has become the ground-plan for the cathedrals of Europe, and is likely to control the architecture of temples for all time. Moreover, upon this

ground-plan, laid in unexampled sacrifice, builders have shaped the vast structures, through centuries, into majestic strength and beauty, till upon the highest pinnacle there reappears in exact form the cross upon which the temple rose. This thought in the ground-plan of temples of religion is the *supreme*, the dominant truth of the world to-day. If the temples were to crumble into dust, if their lofty pillars should fall and their exquisite arches were to mingle with the dust of their builders, the verity of self-sacrifice would still remain, wrought fast and firm into human life and character,

More than this, the dominant truth of self-sacrifice is the essential truth in the ground-plan of education. In a word, the fact, in the light of which I am saving these few words to you to-night, is that Religion is education. The sacrifice of one's self to truth is the keynote of religion; it is also the keynote of education. Without education there is no religion, and without religion there is no true education. The marriage of these two great ideas is a demand, conscious or unconscious, of our time. Many condemn religion because there is little or no education in it: many more condemn education because there is no religion in it. It turns out, if what I have said be true, that both are right and both are wrong. If we find that man and truth are the great sacred, eternal facts in the ground-plan of both education and religion; if we find that the truth of God is the vital force in both, and that the method in both is forever the same, and if it be admitted that the goal of both is the same, then the simple truth stands that Religion is education. Is it too much aside to say that the world is very fast outgrowing the idea that truth 30

—the one thing in human life that always corresponds with Reality—is limited to fixed places, and times, and forms, and books, and men—the idea that man may find truth in the Bible, but may not find it in Spencer; he may find it in the "swelling of Jordan," but may not find it in the "books of the running brooks:" he may find it in the Sermon on the Mount, the constitution of Christianity, but not in its "practice on the plain," the Constitution of the United States; he may find it in the great drama of Job, but not in the Hamlet of Shakespeare; he may find it in the Master of Men, but not in His servant, Abraham Lincoln. Let all this be dismissed as childish, even foolish. Let us face the vast reality that all truth is God's truth, and the place where we find it is "holy ground." I don't care to disguise the fact that I want to bring to you who have long since closed college books at least a "few crumbs of comfort" in urging the idea that God's truth is everywhere; that not only is "God in His world," but He is especially in your education and mine; in insisting, if He is in the architecture of temples, much more is He in the shaping of the finest of all architecture, human life and character. We may not like the idea; we may still prefer to think that Religion is the remote Sunday-fact still a matter of "revivals," of "openings," of storms, of the "burning bush," of the "special experience," a sort of spiritual tornado or earthquake or sunstroke. We may not care to think that the Christ Child grew into sensitive vouth till He stands in the temple of His Father, and that he ripened into vigorous manhood till he outwits the wisdom of the wisest. We may prefer to think that "Godless schools" are a necessity; that Satan has taken

upon himself the self-sacrificing business of building temples to truth! MacDonald has Mrs. Faber wonder "why God made me; I am sure I don't know where was the use of making me." "Perhaps not much yet," replies Dorothy; "but then He hasn't done with you yet. He is making you now, and you don't like it!" Some of us may share her dislike.

"Education," said a wise leader the other day, "is simply the making the most of one's self for usefulness." Said another, "The aim of education is to prepare for complete living." "It must mean," insists President Butler, "a gradual adjustment to the spiritual possessions of the race." In harmony with all, "we are heirs to an inheritance of truth," and education is the coming into full and free possession of our inheritance. If this is the meaning of education, what is the meaning of Religion? To what end are temples built if not to realize this same great aim, with self-sacrifice to truth and utmost service as the groundplan? In place of a creed you have God and His truth in your education and "fullness of life" and "utmost service" as the end in view. What more can man want? But we have more: in place of a belief we have a convictionthat is, a sense of a divine power of devoting ourselves utterly to The Truth, with the fine result of freedom by the truth. We come to the old question how often: What is truth? Your opinion and my opinion are not truth. Veracity is not truth. Truth is reality, or that which always corresponds with reality, whether we see and believe it or not. Man and truth: "Man is but a learner." says the great Robertson, "here to listen with open ear, devoutly, for that which he shall hear, to gaze and watch for that which he shall see. Man can do no more. He cannot create Truth; he can only bear witness to it. Need I show further that the method of Religion is the method of education? Religion enters every detail of our lives; so does education. Religion calls for our will in obedience; education asks for no less. Religion demands that we put our knowledge into service; education demands as much. Religion says all days are holy; education accepts the requirement. Religion says our professors are our minister; that we are to look on all life with "a kindly and a kingly" eye.

Education insists upon the same. Religion and education both have to do with this world, as well as the Unseen. It is the education and religion of this world that concerns us now. In the view that we are taking, the old question as to what subjects are practical in our education has little or no place. To the practical man, to a man made on the ground-plan of self-sacrifice, to the man who is in earnest, to the man who knows what conviction is, to the man who accepts as the first law of his life the "law of utmost service"—to such a man all truth that becomes a part of him is practical. So that the real question in college and out of it is not, What is practical? but Are we practical? Do we know how to transmute the truth we have into service? Can we, standing where we are, at last put foundations under our own castles in the air? Religion and education alike demand of us that we be sensitive to those facts and laws and truths of life that are just about us, right at hand; that we respond at once to the service to which they call us.

Here let us make a sharp and everlasting distinction

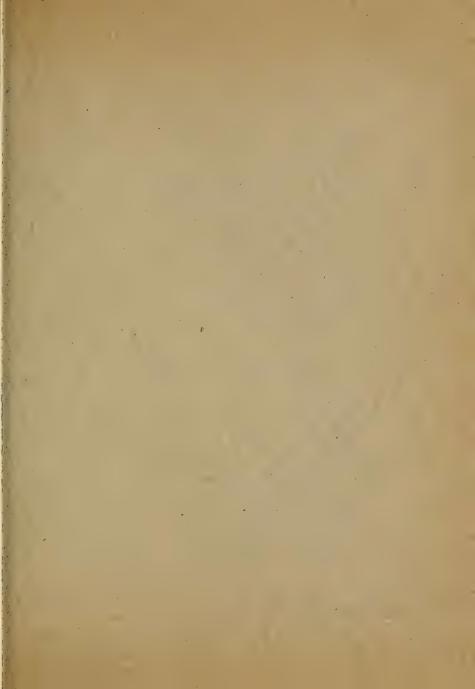
between the so-called "self-educated man" and the Godeducated man. The first educates himself "toward miserable aims that end in self with him." Self is the center. soul, and all. This man is described by Judge Jerome in the person called the "district leader" of New York: "It is not so much in what he is doing most of the time, but it is what he is doing it for. He is doing it from absolute selfishness and never because of his country, or his State, or his city. He is working for his own pocket all the time: he is working for his own power! He goes to those men whom he has placed under obligation and asks them to repay that obligation. He wants judges to go further than they ought because he has made them-controlling the votes at the polls and in conventions. He wants district attorneys and judges in criminal courts to give a leniency towards criminals that should not be extended to them because, controlling the votes, he has made the judges and the district attorneys. He goes to legislative bodies and demands that they favor interests by giving them consideration that they are not entitled to, that he may line his own pocket as a consequence, and he can do this because he has made those legislators by controlling the votes. He, and the men working with him, are the men who are controlling our legislatures to-day; they are making our judges to-day; they are making our representatives in Congress to-day, and though, here and there, some man may break away from them, and for a short time run a meteoric course, it is not the rule; it is the exception. You get right back—and you must of necessity get back to this man that can control the votes; and, if I have made myself at all clear, he is controlling the votes because he discloses and displays elements of human leadership." In these words, gentlemen, is described the most dangerous man in America to-day, chiefly and broadly because his creed is education without religion or education that has no religion—a life without conviction, a life without moral intensity, a life that ends in Self, a life of practice without character.

"If our education," says Jerome again, "does not make us able to cope with the district leader, then our education would better take some new turn and teach us to be leaders of men." Because "what we want and what the world wants and people always want is leadership, and unselfish, self-sacrificing leadership." The kind of men we want to meet this miserable self-exalter in vast New York, in great Philadelphia, and everywhere, is a man that God is still making, a man whose education includes religion and a man "who has felt his own call to cast aside all evil customs, timidities and limitations, and to be in his place a free and helpful man—a reformer, a benefactor not content to slib along through the world like a footman or a spy, escaping by his nimbleness and apologies as many knocks as he can; but a brave and upright man, who must find or cut a straight road to everything excellent in the earth, and not only go honorably himself, but make it easier for all who follow him to go in honor and with benefit"—nearly such a man is or should be the aim of both religion and education in America. Nearly such a man should come from Haverford. Without such men there is little hope for American institutions. II do not call for a State Church, a National Church, but a National Religion, realized through our great system of public instruction.] By such men our nation has been saved; by

such men it must and shall be saved! But how? Tust as in the past. Such men must meet the "district leader" on his own ground, and, as God lives, outfight and outwit him there. There—there in the dust and heat of real life—he must teach those leaders, in failure and success. that "God's thunderbolts are hot" in the battle for making Christian character dominant in the world! It is this man. here and in Greater New York, and throughout this broad land, that, like Washington, must "raise a standard to which the wise and honest can repair," leaving the "event in the hand of God;" like Lincoln shall say in the darkest hour, "With malice towards none and charity for all, in the right as God gives us to see the right." Like the Christ, the supreme patriot, this man must cleanse the temple of our liberties by unvielding resentment against everything that has polluted it. Webster once said, "If I saw the smallest stain on the remotest hem of the garment of my country I would do my utmost to wipe it off." Such men, in the spirit of all the great past leaders and with an impulse which can alone come from religion that is education and education that is religion, shall go on building the new American home, the new American city, the new American State, four square, where shall be celebrated the victories of the lamb of self-sacrifice over the beast of selfishness:

"Then life is—to wake, not sleep! Rise and not rest, but press From earth's level where blindly creep Things perfected more or less, To heaven's height, far and steep, Where, amid what strifes and storms May wait the adventurous quest, Power is Love!"





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Vol. IV Tenth Month, 1905

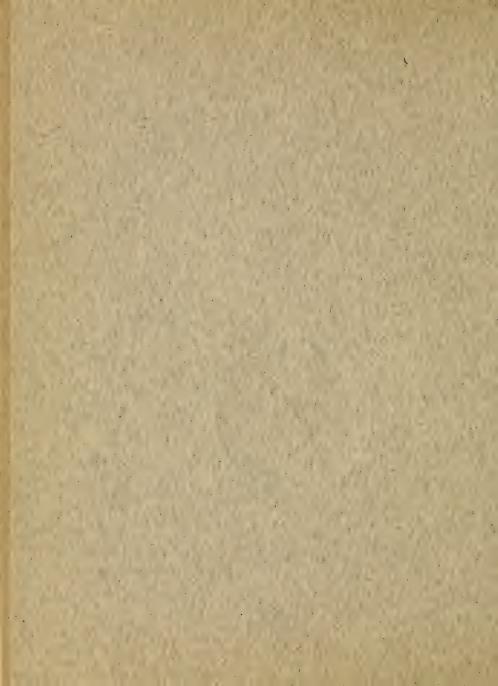
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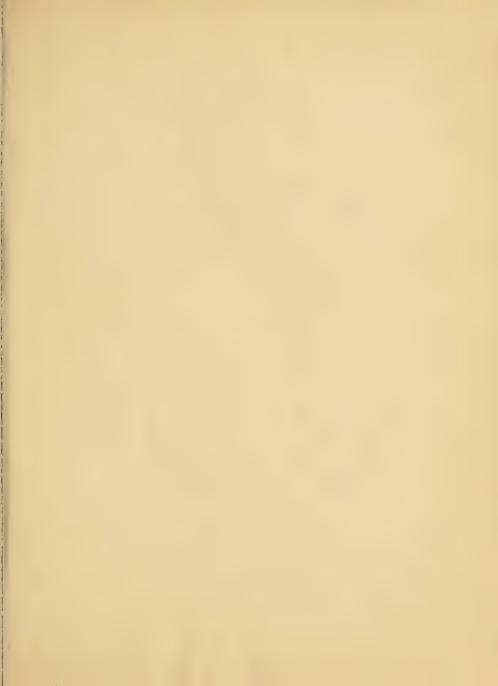
Reports of the Board of Managers
President of the College and
Treasurer of the Corporation
1904=1905



Published by Haverford College, Haverford, Pa Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under the Act of Congress of July 16th, 1904







# THE CORPORATION

OF

# Haverford College

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BOARD OF MANAGERS

PRESIDENT OF THE COLLEGE

TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING TENTH MONTH 11th, 1905.

THE RECORD PRINT BRYN MAWR, PA.

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# REPORT OF THE BOARD OF MANAGERS

OF

# THE CORPORATION

OF

# HAVERFORD COLLEGE

1905

A review of the past year presents little material for comment from your Board, as the work of the College has been conducted in a quiet and successful manner. This gratifying result is largely due to the character of our excellent Faculty, and the hearty co-operation that exists between its members and the student body.

The only change to note in our teaching staff is the resignaton of Levi T. Edwards, Professor of Mechanics and Electricity, who leaves us after nineteen years of efficient service to engage in business.

It is particularly gratifying to the Managers to report that the President of the College and those closely associated with him in its work have been able to keep the expenses of the year within the limit of our income available for the purpose. This is the more

appreciated as we realize the many demands for greater expenditure to keep our institution in proper running order, and to supply the equipment necessary to maintain a high standard of education.

Haverford cannot be run on a money making basis. It must be supported by those interested in its purposes.

The present hopeful outlook, as compared with that of only a few years ago, has been brought about, not only by the wise management of our administrative officers, but also by the liberal support of those who have contributed funds to make this result possible.

A striking evidence of this support is given in the Treasurer's statement for the year just closed, showing donations amounting to nearly \$30,000 received from about 175 different persons. The larger part of this sum is for the new Dining Hall, for which still further subscriptions are pledged. We trust that the whole amount required to complete this hall and pay for work incident to its erection and equipment may soon be made up by additional donations.

Since the last report, Alfred Percival Smith of the Class of 1884, has established a Scholarship in the College, in memory of his father, to be known as the Alfred Smith Scholarship, to be awarded after competitive examination to candidates of German-

American descent. This generous gift will provide for four years of study at Haverford, with provision for an additional year of study at Harvard University. It is understood that students who may receive the benefit of this foundation are to furnish proof of descent and must be satisfactory in character and scholarship to our Faculty.

Following the custom of former years the Board last autumn held a joint meeting with the Faculty.

As our accommodations were practically crowded, it seemed proper to consider the question of future development, therefore the discussion was on the future policy of the College as to numbers, social conditions and relation to the objects in the minds of those who have founded and have conducted it.

It may interest the members of the Corporation to summarize the results of the meeting, as an expression of the judgment of the Faculty. While a few would not object to a large College, believing that we could keep our old characteristics by a gradual adjustment to new conditions, the majority favored a College of about 200 students as the ideal number, mainly because from twenty to twenty-five students is the limit of effective class work. The Colleges constituting Oxford and Cambridge Universities average from 150 to 200 students each. Colleges of

this size make it possible for the instructors to know and influence every student, while the advantages of social life are better secured than in large Colleges where many classmates are strangers to each other.

It was granted that a large attendance would give better results in some departments by increasing competition in elective courses.

The Managers concur in the conclusion expressed that Haverford has small excuse for existence, excepting as a denominational institution, developing along the lines announced by its founders, as modified by the requirements of modern life. In this way only can we preserve our present reputation as a good, small College able to impart an advanced education under wholesome conditions.

For financial details we refer to our Treasurer's report, and fuller information of College events for the past year will be found in the accompanying report of President Sharpless.

On behalf of the Board,

T. WISTAR BROWN, President. HOWARD COMFORT, Secretary.

Philadelphia,

Tenth mo. 9th, 1905.

### PRESIDENT'S REPORT

To the Board of Managers:

Attendance

The President reports the register of attendance during the last and present years as follows:

1904-5							
	Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom.	Freshmen	Total
	20	6	36	32	32	40	166
1905-6							
	Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom	Freshmen	Total
	20	4	37	27	31	43	162
		The	above	includes	fourteer	special	st11-

The above includes fourteen special students, who are grouped with the classes with which they entered. Most of them will become regular students by making up deficiencies before the date of graduation.

Faculty Changes

The only change in the Faculty to be recorded is made necessary by the resignation of Professor Edwards, who for nineteen years past has had charge of our practical work in Mechanics and Electricity. Professor Edwards resigned to go into business as Consulting Engineer. During these years he has been a faithful and efficient member of our teaching force, and also an advisor to the College in many matters connected with the development of its mechanical and electrical

plant. The form which these have taken has been largely due to his influence. To succeed him, Leon H. Rittenhouse, M. E., a graduate of Stevens Institute, and more recently an instructor in the Armour Institute of Chicago, has been appointed.

The lectures and other public affairs for the last collegiate year were as follows:

Lectures and Public Events

Haverford Library Lectures:

Three lectures by the Hon. David J. Brewer, Justice of the United States Supreme Court:

"The United States. A Christian Nation." 2nd mo. 9th, 1905.

"The United States a Christian Nation. Our Duty as Citizens."

2nd mo. 10th, 1905.

"The United States a Christian Nation. The Promise and Possibilities of the Future." 2nd. mo. 15th, 1905.

The Thomas Shipley Lectures on English Literature:

"Benjamin Franklin," by Dr. Albert H. Smyth, of the Central High School, Philadelphia, Pa. 1st mo. 16th, 1905.

"Edmund Spenser," by Professor George Edward Woodberry. 2nd mo. 7th, 1905.

By courtesy the following lectures before the "Cercle Français de Haverford" were delivered in Roberts Hall:

"Causerie sur Michelet," by Ch. V. Langlois, professeur d'études historiques à la Sorbonne.

10th mo. 28th, 1904.

"Les Paysans," by M. Xavier Koenig, Professeur à l'Université de Bordeaux.

11th mo. 15th, 1904.

"La Bastille," (Illustrated), by M. Funck-Brentano, Librarian of the Arsenal Library, Paris; Custodian of the Records of the Bastille; President of the Society of Historical Research.

12th mo. 20th, 1904.

"Un Voyage au Caucase," (Illustrated). by Paul Hagemans, Belgian Consul General to the United States. 1st mo. 24th, 1905.

"Chateaubriand en Amérique," by Professor Lucien Foulet, of Bryn Mawr College. 2nd mo. 24th, 1905.

"La Séparation de l'Église de l'État,"

by Jean Charlemagne Bracq, Professor of French in Vassar College.

5th mo. 5th, 1905.

Other Lectures:

A lecture by Pastor Charles Wagner, of Paris, France. 11th mo. 21st, 1904.

"A Roman Theatrical Performance," by Kirby Flower Smith, Ph. D., Professor of Latin in Johns Hopkins University. Lecture delivered under the auspices of the Classical Department. 3rd mo. 24th, 1905.

"The Age of Discoveries" (with specific

reference to the Revival of Learning in Italy), by Dr. John Edwin Sandys, Fellow and Lecturer of St. John's College, and Public Orator in the University of Cambridge, England. Phi Beta Kappa Oration delivered under the auspices of the Zeta Chapter of Pennsylvania.

4th mo. 13th, 1905.

Other Public Events:

Haverford College visited by the foreign delegates to the Boston Peace Conference, and a public meeting in Roberts Hall addressed by J. G. Alexander, Secretary of the International Law Association; by Rabbi Fleischer, of Boston; by Signor Moneta, of Italy, and by W. Evans Darby, Secretary of the English Peace Society.

10th mo. 14th, 1904.

A meeting held under the joint auspices of the City Parks Association of Philadelphia, and the Campus Club of Haverford College, addressed by Andrew Wright Crawford, Secretary of the City Parks Association; by Leslie W. Miller, Principal of the School of Industrial Art, Philadelphia, and Chairman of the Central Committee for a Comprehensive Park System, and by Alden Sampson, United States Game Preserve Expert. The addresses of Andrew Wright Crawford and of Leslie W. Miller were illustrated.

12th mo. 14th, 1904.

Seventh Annual Debate between the Philomathean Society of the University of

Pennsylvania and the Loganian Society of Haverford College. Question for discussion: "Resolved, That, in addition to present restrictions, it is desirable to limit the right of suffrage in the municipal elections of our large cities to those who pay a tax on real or personal property. 4th mo. 7th, 1905.

Annual contest in extemporaneous speaking, between the Sophomore and Freshman classes, for the Everett Society Medal.

5th mo. 2nd, 1905.

Annual contest in oratory, between the Senior and Junior classes, for the Alumni Prize. 5th mo. 25th, 1905.

Commencement Day. Commencement Exercises, with address to the graduates by William Draper Lewis, Ph. D. (Haverford College, Class of 1888), Dean of the Law School of the University of Pennsylvania, and an address by James Wood, A. M. (Haverford College, Class of 1858), of Mt. Kisco, N. Y., accepting, on behalf of the College, an American flag presented by Joshua L. Baily. Union meeting of the Alumni, with informal programme. Alumni business meeting. Alumni oration by Wilmot R. Jones (Haverford College, Class of 1882).

6th mo. 16th, 1905.

The New Dining Hall and Kitchen When last year I stated in my report that "an immediate and pressing need of the College is a new building for dining hall and

kitchen," I hardly anticipated that the response would be so prompt and so liberal. The Board at an early date was convinced of the existence of the need and authorized the completion of the work when sufficient funds were subscribed. By Commencement Day the sum of \$44,000 was either paid or promised to the Treasurer of the College, and the work was well under way. The total expense, however, will probably amount to \$50,000, which is mostly subscribed. It was found desirable to connect the new building with Founders' Hall, and the main entrance is through this old building, whose southern exterior has not been changed. When the work of alteration was begun, it was found that the interior was in an unsightly and in some respects unsanitary condition, and various unforseen changes became necessary. The main entrance hall has been widened, so as to have two stair-cases, one on each side. The old dining-room now becomes a mathematical class room. The new dining hall, forty by eighty feet on the inside, is approached by large doors at its south end, and is a welllighted, well-heated and well-ventilated room, with a lofty ceiling. Back of this, in a cross wing, is the kitchen, and over the kitchen is a hall of thirty by fifty feet, which for the present can be made into a small lecture hall.

and in the future, if needed, will make an addition to the dining resources. The basement contains bakery, servants' dining room, and copious store rooms. The main dining hall will loosely accommodate 200 students, and the whole building when completed will easily take care of 300. The kitchen is furnished with new cooking and culinary appliances, which we believe will result in great satisfaction and perhaps some economy. The generous friends who have so liberally contributed to this need of the College have been thanked individually by your Board, but I cannot refrain from extending in this way my personal thanks for their aid in making the labor of collecting the money so light and almost pleasant. It is a permanent improvement of great value to the College.

The College Grounds It has been the policy of the Board to spend about \$1,000 a year, whenever the finances of the College would permit it, on the improvement of the roads and paths in the grounds. This year the College Lane from the entrance on Lancaster Pike to the skating pond has been made an excellent roadway, and certain concrete walks have been laid. The plan of the roads around the buildings is susceptible of improvement. A smaller number of good roads would accommodate us better than the rather intricate system which exists around Founders Hall. If some kind

friend could provide for the change it would be an improvement both to the appearance and convenience of the grounds.

The Campus Club has continued its work by planting trees and shrubs and taking care of the Memorial Garden back of the Library Building.

The large number of buildings now owned by the College, both halls and dwelling houses, necessitates annually the expenditure of at least \$5,000 in repairs. This is a serious drain upon the finances of the College, and could be diminished if a number of permanent improvements could once for all be made. Certain changes which do not appeal strongly to the imagination would add greatly to our comfort and the safety of our property. Among these may be mentioned:

Minor Improvements Needed

- (I) A fire-proof floor to the north wing of the Library. Our valuable collection there is subjected to too great risks for safety.
- (2) The division of Barclay Hall into three separate buildings, with one additional stair-case, to insure the proper quiet and decorum needed in a hall of residence.
- (3) The complete renovation of the third floor and basement of Founders Hall, the former to be made largely into quarters for servants.
- (4) A new power house to protect properly our valuable engines and dynamos.

- (5) The lining of the swimming pool with tile to prevent leakage and promote cleanliness.
- (6) The erection of a vestibule at the north entrance of the library building to conform with the one at the south entrance.

These are important and some of them necessary improvements which cannot long be delayed. As the college accounts for the past year show practically an even balance of receipts and expenditures, it seems necessary to commend such needs to the attention of our friends.

Intellectual Problems It is always pleasant to turn from the material to the intellectual interests of the College; for our ultimate function is not to improve property, but to develop character and scholarship. To this end all other college interests are secondary. It is satisfactory to note that our efforts are appreciated by the public, and that the extent of our patronage is growing with the years; but it is all the more gratifying if this comes about as the result of satisfactory moral and intellectual conditions rather than as the result of noisy advertising or overfed athletics.

The faculty has decided that no student after 1907 shall be admitted to any of the Science courses without two foreign languages. Hitherto the requirement in some cases has been one language with a scientific

subject which was supposed to be equivalent to another. This change will make it impossible to enter any regular course at Haverford College after this date without an examination in at least two of the languages Greek, Latin, German, French.

It has also been decided to advance the standard for graduation so as to require a combined average for the Senior and Junior years at least as high as grade C.

Haverford is alone among the Pennsylvania colleges for young men, and in a small minority of less than a dozen in the United States, in requiring entrance examinations of all candidates for admission to its courses. We undoubtedly deprive ourselves of the attendance of a very considerable number of boys who take the easiest methods to enter college. On the other hand, we probably secure a more uniform preparation of a higher grade. While the certificate system is theoretically good, and in some cases is properly guarded, the temptation to its abuse is so great that weakness is almost inevitable and we have felt that we owe it not only to our own standards but also to the cause of sound education in school and college to continue the examination system. A few students are admitted yearly as special students without full examinations. Some of these are such as, expecting to remain for a year or two only at the College, de-

Entrance Examinations

sire to take their work in a rather narrow line. Others are boys who are insufficiently prepared in certain subjects for regular admission to the Freshman class, but whose qualifications give evidence of the ability to work themselves into regular standing in a short time. Special students are nevertheless often a source of weakness to the standards of a college, and it is probable that in a short time the class will be abolished or much restricted. As a step in this direction, it has been decided to print their names in a class by itself rather than to merge them with the regular class with which they enter.

Faculty Scholarship

As will be noticed by the appended list of faculty publications, many of our officers find time for valuable investigations or writings which are not strictly a part of their prescribed duties. Their services are more helpful to the College as a result of this work, if it is kept within proper bounds. Regular attendance at lectures and other college appointments is, of course, a necessity of their situation, The small number of our students in proportion to the number of teachers, gives them the opportunity, also, for much more individual instruction and influence than is possible in larger institutions. This is one of the chief advantages of Haverford and must not be lost. But in addition the aggressive and scholarly man will find much to do in the con-

tinued study of his subject, the writing of the results of his studies in scientific publications, the compiling of text-books, and of popular articles. Many thousand volumes of certain Haverford text-books are now in use in the United States, and certain of our professors are recognized as being among the first men in their special subjects in this country, and beyond its borders.

It is rather a rare combination of qualities which we ask from them. We want them to be well-equipped scholars, good teachers, agreeable gentlemen, and to be permeated with the spirit and ideals of Haverford. Such men are not plentiful and every effort should be made by the College to retain their services when found. It is a satisfaction to note that full professorships in our most prominent universities have been declined by members of our staff on account of the supposed opportunities for usefulness and satisfactory work at Haverford. This places upon us some obligation to consider these conditions seriously in any changes which may occur in the future. With the quality of the Faculty rests the prosperity of the College.

During the year ending Ninth month Library 30th, 1905, there were added to the Library 1939 volumes, of which 904 were bought, 566 were gifts, 6 were exchanged for duplicates. 272 came from the Government as a United

States Depository, and 191 were periodicals, pamphlets and books bound. The total number of books in the Library at the above date was 45,452.

During the year 7707 volumes were withdrawn for use outside the building. Of this number, 3360 were withdrawn by students, 2247 by members of the Faculty, 633 by residents on the College grounds and in the neighborhood. For use over night 1467 were taken from the Library.

The increased circulation is a matter of great satisfaction, and it is safe to say that at no period has the Library better fulfilled the object of its creation than during the past year, especially as the above statistics show only the books circulated outside the building, and take no account of the daily use for consultation and reading within the rooms.

The library is under obligations for valuable aid. Several friends of the College contributed towards the purchase of a set of the publications of the Société des Anciens Textes François, 83 volumes; others contributed for other purposes, details of these will be found in the Treasurer's Report, and in the Appendix. The Class of 1900 have added 292 volumes to the collection of standard English fiction. Besides these special gifts others as stated in the Appendix have been presented.

The cataloguing and arrangement of the

Autographs

Charles Roberts Collection of Autographs has been continued, but in order to hasten the work, which is necessarily slow, a special cataloguer has been engaged. Applications to see the autographs, or to consult them, should be made to Allen C. Thomas, Librarian.

Respectfully,
ISAAC SHARPLESS, *President*.
Haverford College,
Tenth mo. 5th, 1905.



#### PUBLICATIONS OF THE FACULTY

## 1904-1905

- Babbitt, James A.—Athletic Number, Haverford College Bulletin, Vol. III, No. 4, Sixth month, 1905.
- Baker, William W.—De Comicis Graecis Litterarum Iudicibus. Harvard Studies in Classical Philology, Vol. XV, pp. 121-240.
- Bolles, Albert S.—The Home Library of Law, six vols. 12 mo., pp. 1,100. Doubleday, Page & Co., New York, 1905.
- Brown, Ernest W.—Theory of the Motion of the Moon. Fourth and Concluding Part. Memoirs of the Royal Astronomical Society, August, 1905.

On a general method of treating Transmitted Motions and its application to Indirect Perturbations. Transactions of the American Mathematical Society, July, 1905.

On the completion of the solution of the main problem in the new Lunar Theory. The final values of the coefficients in the new Lunar Theory. Monthly Notices of the Royal Astronomical Society, December, 1904, and January, 1905.

Sunspots and Weather. Popular Science Monthly, April, 1905.

Webster's Dynamics. Review in Science, August 18, 1905.

Notices of Belgian Annuaire Astronomique. 1905, Annuaire du Bureau des longitudes pour l'An 1905. Bulletin of the American Mathematical Society, December, 1904, and May, 1905.

- Comfort, William W.—The Motif of "Young Waters." Modern Language Notes, April, 1905.
- HALL, LYMAN B.—Review of Rigg's Elementary Manual for the Chemical Laboratory. Journal of the American Chemical Society, December, 1904.

Review of De Forcrand's *Cours de Chemie*. Journal of the American Chemical Society, June, 1905.

- HANCOCK, ALBERT E.—Editorial and literary articles in The Outlook.
- Jones, Rufus M.—Social Law in the Spiritual World: Studies in Divine-Human Interrelationship. The John C. Winston Co., Philadelphia, 1905.
- Mustard, Wilfred P.—Tennysoniana. University of Toronto Monthly, November, 1904.

Report of Rheinisches Museum für Philologie, Vol. LVIII. American Journal of Philology, Vol. XXV, pp. 97-102.

Note on Spenser, Faerie Queene, V. 5, 24. Modern Language Notes, Vol. XX, p. 127.

Review of Classical Mythology in Shakespeare, by R. K. Root. American Journal of Philology, Vol. XXVI, pp. 221-224.

PRATT, HENRY S.—Secretary's Report of the Proceedings of the American Society of Zoologists. Science, N. S., Vol. XXI, pp. 373-387.

A Course in Vertebrate Zoology: A Guide to the Dissection and Comparative Study of Vertebrate Animals. Ginn and Co., Boston, 1905.

Sharpless, Isaac.—Quakerism and Politics. Ferris and Leach, Philadelphia, 1905.

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1904, to Eighth mo. 31st, 1905.

#### RECEIPTS.

I	ncome from investments:			
	General Endowment Fund,	\$ 4,568	35	
	Thomas P. Cope Fund,	409	32	
	Edward Yarnall Fund,	302	18	
	Alumni Library Fund,	. 539	46	
	Isaiah V. Williamson Fund,	858	30	
	John Farnum Memorial Fund,	1,807	94	
	John M. Whitall Fund,	520	57	
	Richard T. Jones Scholarship Fund,	225	00	
	David Scull Fund,	1,961	11	
	Edward L. Seull Fund,	570	28	
	New Library Fund,	265	60	
	Wistar Morris Memorial Fund,	205	83	
	Mary Farnum Brown Library Fund,	1,522	63	
	Mary M. Johnson Scholarship Fund,	355	05	
	Sarah Marshall Scholarship Fund,	321	10	
	Israel Franklin Whitall Fund,	522	02	
	Jacob P. Jones Endowment Fund,	24,646	23	
	Clementine Cope Fellowship Fund,	1,128	08	
	John Farnum Brown Fund for Bible			
	Study, &c.,	4,177	31	
	Ellen Waln Fund,	374	10	
	Clementine Cope Endowment Fund,	1,072	55	
	Thomas Shipley Fund,	229	50	
	Nathan Branson Hill Fund,	9	00	
			-\$46,591	51
	Board and Tuition, cash,	343,673	60	
	" " scholarships,			
			\$57,928	60
	Carried forward.		-\$104.520	11

Amount brought forward,	$.\$104,\!520$	$\Pi$
Board of professors,	787	15
Rents,	. 2,869	75
Farm,	2,270	05
Stationery,	553	18
Income credited to Contingent Account,	216	94
Receipts for Account of Previous Years,	625	22
Donations:—For New Dining Hall \$27,500	10	
For Salaries, 650	00	
For Books and Periodicals, 587		
For Roberts Hall, 347	72	
For Lectures, 200	00	
For Prizes, &c.,	00	
For Haverford College Scholarship, 100 0	0 29,558	12
Money borrowed temporarily,	. 172,400	00
Proceeds of land sold,	. 3,065	07
Investments-General Endowment Fund, \$26,413		
"—Thomas Cope Fund, 2,125	00	
" —John Farnum Memorial		
Fund, 1,050	00	
" —John M. Whitall Fund, 3,000	00	
" —David Scull Fund, 8,925	00	
" -Wistar Morris Scholarship		
Fund, 5,000	00	
"-Mary M. Johnson Scholar-		
ship Fund, 1,125	00	
" -Sarah Marshall Scholarship		
Fund, 1,125,	00	
" —Israel Franklin Whitall		
Fund, 3,346	87	
-Jacob P. Jones Endowment		
Fund, 89,980	78	
" —Clementine Cope Fellowship		
Fund, 600 (	00	
" -John Farnum Brown Fund		
for Bible Study, &c., 22,173	00	
" —Ellen Waln Fund, 6,750	00	
		70
Balance on hand Eighth Month 31st, 1904:-		
In the hands of the President, 694	29	

In the hands of the Treasurer8,975	40	
*	\$9,669	69
	\$498,148	98
PAYMENTS.	<b>¥</b> 100,110	
Salaries,\$41,300	00	
Provisions,	35	
Wages, 8,558		
Repairs and Improvements, 7,391	73	
Fuel and lights, 5,232	60	
Interest, 3,840	49	
Family expenses and furniture, 2,238		
Lawn and garden, 2,441	58	
Taxes, 905	15	
Incidentals, 603	87	
Scientific equipment, 853	53	
Gymnasium and athletics, 608	52	
Printing and Advertising, 1,014	17	
Insurance,	78	
Books, etc., from income Alumni Library		
Fund, 730	48	
Books, etc., from income New Library		
Fund, 439	44	
Books, etc., from income Mary Farnum		
Brown Library Fund,	96	
Lectures from income Mary Farnum		
Brown Library Fund, 450	00	
Lectures from income Thomas Shipley		
Fund, 150	00 96,474	19
Scholarships and Fellowships:		
Income General Endowment Fund,\$1,500	00	
" Thomas P. Cope Fund, 550	00	
" Edward Yarnall Fund, 200	00	
" Isaiah V. Williamson Fund, 1,200	00	
" Richard T. Jones Scholarship		
Fund, 225	00	
" Jacob P. Jones Endowment		
Fund, 9,130	00	
" Mary M. Johnson Scholarship		
Fund, 200		
Amount carried forward \$13,005	00 \$96.474	19

Amount brought forward,\$13,005 00 \$96,474 19
Scholarships and Fellowships-Income
Sarah Marshall Scholarship Fund, 400 00
Income Clementine Cope Fellowship Fund, 1,350 00
\$14,755 00
Paid out of special donations:
For new Dining Hall,\$10,000 00
For Salaries, 1,000 00
For Books and Periodicals, 721 95
For Lectures, 200 00
For Physical Laboratory, 103 35
For Prizes, etc.,
For Roberts Hall,
\$12,509 44
Paid temporarily on account of Loans using Funds
awaiting reinvestment,
Paid for Paving on Lansdowne Avenue, 2,374 92
Investments:
General Endowment Fund,\$32,534 70
Thomas P. Cope Fund,
Edward Yarnall Fund, 965 00
Alumni Library Fund,
John M. Whitall Fund,
David Scull Fund,
Wistar Morris Memorial Fund, 5,000 00
Mary M. Johnson Scholarship Fund, 1,000 00
Sarah Marshall Scholarship Fund, 1,000 00
Israel Franklin Whitall Fund, 2,880 00
Jacob P. Jones Endowment Fund, 98,164 50
Clementine Cope Fellowship Fund 965 00
John Farnum Brown Fund for Bible
Study, etc.,
Ellen Waln Fund, 6.988 80 186,372 30
Balance on hand Eighth month 31st, 1905:
In hands of the President,
In the hands of the Trestdent,
In the hands of the freasurer, 141 50 915 15

# FINANCIAL STATEMENT

For the Year Ending 8th Mo. 31st, 1905.

Expenses of running the College, as per Treasurer's		
Statement,		19
Receipts for Board and Tuition, Rents, Farm and		
from all other sources connected with the business of the College,	50 152	72
ness of the conege,	30,133	10
Leaving a deficiency of	. 46.320	46
Income Invested from Funds applicable to	,	
Scholarships and running expenses,	46,956	17
Leaving applicable deficiency for the previous year	, 635	71
THOMAS P. COPE FUND.		
Founded 1842.		
Par value of Invested Funds,	.\$4,900	00
Principal uninvested,		
Total Fund,		24
Income on hand at beginning of year,\$463 95		
Income received during the year, 409 32		O.P.
Paid for the Thomas P. Cope Scholarship,	873	
raid for the Thomas F. Cope Scholarship,	. 550	
Balance on hand at end of the year,	. \$323	27
GENERAL ENDOWMENT FUND.		
Established 1847 and Increased From Time to Tim	ne Since	
Par Value of Invested Funds,	\$99,600	00
Principal uninvested,	1,631	77
Total Fund,		
Income received during the year,		35
Paid for Scholarships,		
Paid for General College Expenses, 3,068 35	4,568	35
	2,000	00

## EDWARD YARNALL FUND.

## Founded 1860.

Par value of Invested Funds,		
Total Fund,		46
Income received during year,	475	35
Paid for the Edward Yarnall Scholarships,		_
Income on hand at end of year,	\$275	35
Established by the Alumni Association, 1863	٤.	
Par value of Invested Funds,		OΩ
Principal uninvested,		
Total fund,	11.467	09
Income on hand at beginning of year, \$231 32		
Income received during the year, 539 46		
	770	
Paid for Books, etc.,	730	48
Income on hand at end of year,	40	30
ISAIAH V. WILLIAMSON FUND.		
Founded 1876 and Increased 1883.		
Par value of invested Funds,	\$20,266	66
Principal uninvested,	424	04
Total fund,	\$20,690	70
Income on hand at beginning of year, \$322 09		
Income received during the year,		
	1,180	
Paid for I. V. Williamson Scholarships,	1,200	00
Income overdrawn at end of year,	19	61

## JOHN FARNUM MEMORIAL FUND.

JOHN FARNOM MEMORIAL FUND.	
Established 1878, Increased by Legacy of Elizabeth H. Farnun	n
in 1899.	
Par value of Invested Funds,	
Total fund,	
Paid toward support of Chair endowed by this Fund, 1,807 9	
JOHN M. WHITALL FUND.	
Founded in 1880.	
Par value of invested Funds,\$10,000 0	n
Principal uninvested,	9
Total fund,\$10,033 8	
Income received during the year, 520 5	
Appropriated for salaries,	7
EDWARD L. SCULL LEGACY.	
Received in 1885.	
Par value of Invested Funds,\$12,100 0	0
Principal uninvested, 71 5	
Total fund,\$12,171 5	7
Income received during the year, 570 2	8
Appropriated for salaries, 570 2	8
DAVID SCULL FUND.	
Founded 1885.	
Par value of Invested Funds,\$45,700 0	0
Principal uninvested,	
Total fund,	
Income received during the year,	
Paid toward salaries, etc.,	

## RICHARD T. JONES SCHOLARSHIP FUND.

Founded by Will of Jacob P. Jones, 1885.

204444 09 1111 01 34000 11 34100, 1003,		
Par value of the Fund, all invested,	.\$5,000	00
Income received during the year,	225	00
Paid for Richard T. Jones Scholarship,	. 225	00
NEW LIBRARY FUND.		
Founded 1892.		
· ·	#C =00	00
Par value of Invested Funds,		
Amount uninvested,	25	10
Total fund,	. \$6,525	18
Income on hand at beginning of the year, \$173 84		
Income received during the year, 265 60		
	- \$439	44
Paid for Books, etc.,	439	44
WISTAR MORRIS MEMORIAL FUND.		
Founded 1892.		
Par value of Fund, all invested,	.\$5,000	00
Appropriated for salaries,		
Income received during the year,		
MARY FARNUM BROWN LIBRARY FUN	D.	
Founded 1892.		
Par value of Invested Funds,		
Amount uninvested,	748	38
TF: 4:3 E: 3	·	0.0
Total fund,	<b>\$</b> 33,248	38
Income received during the year,\$1,522 63		
Income overdrawn at end of year, 103 77	¢1 606	40
Income overdrawn at beginning of the year \$ 50 44	. ,	

--- \$1,626 40

Income appropriated for books, etc., . . . . 1,125 96 Income appropriated for lectures, . . . . . 450 00

## ISRAEL FRANKLIN WHITALL FUND.

## Founded 1896.

Par value of Funds, all invested, ......\$12,000 00

Amount uninvested,	466 87
Total fund,	\$12,466 87
Income received during the year,	522 02
Appropriated for salaries,	522 02
MARY M. JOHNSON SCHOLARS	SHIP FUND.
Founded 1897.	
Par value of Invested Funds,	\$8,000 00
Amount uninvested,	395 00
Total fund,	8,395 00
Income on hand at beginning of year,	
Income received during the year,	
0 V /	359 46
Paid for Mary M. Johnson Scholarship,	
Paid for Mary M. Johnson Scholarship,	200 00

The state of the s	
A see	
Income on hand at beginning of the year, \$166 46	
Income received during the year, 321 10	
	487 50
Paid for Sarah Marshall Scholarship,	400 00

771 19

Amount uninvested.

## JACOB P. JONES ENDOWMENT FUND.

## Founded 1897.

204204 1097.
Par value of Invested Funds,\$483,625 00
Amount uninvested,
T + 1 4 1 4 1
Total fund,
Income received during the year, \$24,646 23 Appropriated for scholarships, \$ 9,130 00
Appropriated for general expenses, 15,516 23
\$24,646 23
Ψω 1,0 2.0
CLEMENTINE COPE FELLOWSHIP FUND.
Founded 1899.
Par value of Invested Funds,\$24,800 00
Amount uninvested,
Total fund,\$25,079 00
Income on hand at beginning of the year, \$1,192 56
Income received during the year,
Paid for Fellowships,
raid for renowships,
Income on hand at end of year, \$ 970 64
JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND
RELIGIOUS TEACHING.
Founded 1900 and Increased Later.
Par value of Invested Funds, \$114,000 00
Amount uninvested,
Total fund, \$114,269 44
Income received during the year, 4,177 31
Income appropriated for salaries, etc., 4,177 31
appropriate to saturios, con, 3,211 02

## ELLEN WALN FUND.

## Founded 1900.

Par value of Invested Funds,\$11,00	00	00
Amount overinvested	33	80
Total fund, 10,90	 66	20
Income received during the year,		
		10
CLEMENTINE COPE ENDOWMENT FUND.		
Founded 1904.		
Par value of Invested Funds,\$31,00	00	00
Amount uninvested,		
Total fund,\$31,10	08	75
Income received during the year, 1,00	72	55
Income appropriated for general expenses, 1,0		
THOMAS SHIPLEY FUND.		
Founded 1904.		
Par value of Invested Funds,	90	00
Amount uninvested, 25	25	00
Total fund,	25	00
Income received during the year,\$22	29	<b>50</b>
Paid for Lectures,	50	00
Income on hand at end of year,	79	50
NATHAN BRANSON HILL TRUST.		
Fund Established in 1904, Held in Trust by Minneapolis	Γrυ	ıst
Company, Minneapolis, Minn.		
Income received during the year,		
Income appropriated for expenses,	9	00

## SUMMARY OF THE FUNDS.

General Endowment Fund,\$101	231	77
	438	
	,136	
· ·	,467	
,	,690	
	,100	
· · · · · · · · · · · · · · · · · · ·	,033	
	,000 (	00
	,162	
	,171	57
New Library Fund, 6	,525	18
Wistar Morris Memorial Fund, 5	,000	00
Mary Farnum Brown Library Fund,	,248	38
	,395	00
	,771	19
Israel Franklin Whitall Fund,	,466	87
Jacob P. Jones Endowment Fund, 513	,269	<b>4</b> 2
Clementine Cope Fellowship Fund,	,079	00
John Farnum Brown Fund for Bible Study, etc., 114	,269	44
	,966	20
Clementine Cope Endowment Fund, 31	,108	75
Thomas Shipley Fund, 5	,225	00
Total par value	フェフ	20
Total par value, \$1,031 Being \$11,998.49 more than reported one year ago as foll		ə8
Sale of real estate for Jacob P. Jones Endowment	ows:	
Fund, less municipal charges,\$	600	15
From variation from par value in securities, bought	090	19
and sold,	097	40
Income credited to Principal for Contingent account,		
Theome or account,		
Total increase as above,\$11	,998	49

## SPECIAL FUND.

This fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

New Dining Hall	\$17	,500	10
Salaries,		800	00
Books and Periodicals,		103	15
Electrical Apparatus,		62	25
Harvard Fellowship		100	00
Prizes, etc.,		183	44

\$18,748 94

We have examined the accounts of the Treasurer of The Corporation of Haverford College for the year ending Eighth Month, 31st, 1905, of which the foregoing is a summary. We have compared his statement with the vouchers therefor, and find the same correct. There was a cash balance in his hands on that date of \$141.85, exclusive of \$771.28 in the hands of the President of the College.

 $\left\{ \text{Signed} \right\} \qquad \begin{array}{ll} \text{Samuel L. Allen} \\ \text{George Vaux, Jr.} \\ \text{Philadelphia, Ninth Month 19th, 1905.} \end{array}$ 

We have examined the securities belonging to The Corporation of Haverford College, and find them to agree with the foregoing statement of the Treasurer.

Signed FRANCIS STOKES

WALTER WOOD
Auditing Committee...

Philadelphia, Tenth Mo. 9th, 1905.

# LIST OF GIFTS TO THE LIBRARY OF HAVERFORD COLLEGE

#### 1903-1904

Class of 1900,	292
U. S. Government	272
Friends of the College,	74
Howard Comfort,	
George and E. Converse Peirce,	.23
Prof. A. C. Thomas,	. 11
University of Chicago,	
Library of Congress,	. 8
Anna Potts,	6
Mary and Sarah Coates,	5
Pa. State Library,	4
John Weaver, Mayor of Philadelphia,	3
Dr. W. W. Comfort,	3
Haverford College,	3
Barr Ferree,	. 3
N. Y. State Historical Society,	2
W. H. Jenks,	2
A friend of the College,	2
N. Y. State Library,	2

Dr. R. M. Jones, New Jersey State Librarian, Winfield S. Hall, Class of 1904, J. G. Rosengarten, Dr. W. P. Mustard, American Philosophical Society, T. W. Balch, Hon. I. P. Wanger, Prof. F. G. Peabody, W. Evans Darby, Tetsutaro Inumaru, and many others, one volume each, besides numerous pamphlets.

## DONATIONS OF MONEY DURING THE YEAR ENDING 8th MO., 31st, 1904

A friend,	3	00
Anonymous,	196	
Joshua L. Baily,	300	-
T. Wistar Brown,	3,220	
F. K. Carev,	15	
John E. Carter,	500	00
Class of 1896,	20	00
Class of 1898,	10	00
Class of 1900,	22	30
Class of 1839,		
Francis R. Cope,	500	00
Class of 1846,		
Charles Hartshorne,	500	00
Class of 1852,		
Edward W. Herendeen,	5	00
Class of 1854,		
John B. Garrett	2,000	00
Class of 1857,		
Joel Cadbury,	100	00
Class of 1856,		
Norwood Penrose Hallowell,	5	00
Class of 1858,		
William Graham Tyler,\$100 00		
David Street,	103	00
Class of 1859,		
Benjamin H. Smith,	25	00
Class of 1860,		
Theodore H. Morris,	000	0.0
Frederick W. Morris 100 00	200	00
Class of 1862.		
George Wood,\$250 00	450	
Horace Lippincott, 200 00	450	UU
Class of 1863,		
William M. Coates,	200	00
William H. Morris, 100 00	200	00

Class of 1864,				
J. Preston Thomas,	• • •		100	00
Class of 1866,				
Richard Morris Gummere,			25	00
Class of 1867,				
Walter Wood,			500	00
Class of 1868,				
Dr. Louis Starr,			100	00
Class of 1869,				
Edward B. Taylor,	300	00		
Benjamin T. Longstreth,			325	00
Class of 1870,				
T. Allen Hilles,	100	00		
Howard Comfort,	100	00	200	00
Class of 1871,				
William H. Haines,	500	00		
Edward D. Thurston,	100	00		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100	00		
Reuben Haines,	100	00	800	00
Class of 1872,				
William H. Gibbons,	100	00		
James Carey,		00		
Edward M. Wistar,	100			
J. Tyson Morris,		00		
Thomas S. Downing,		00	077	00
Casper Wistar Haines,	10	00	275	UU
Class of 1873,	-0	00		
Joseph M. Fox,		00		
Thomas P. Cope, James C. Comfort,		00		
George M. Warner,		00	125	00
	J	00	120	00
Class of 1874, James B. Thompson,	25	00		
James Emlen,		00		
Samuel E. Hilles,		00	100	00
THE TELEVISION OF THE PROPERTY	00			,

Class of 1875,	
Charles L. Huston,	
Miles White, Jr.,	
Walter W. Pharo 25 00	775 00
Class of 1876,	
J. Whitall Nicholson, 300 00	
Francis C. Haines, 100 00	
Seth K. Gifford, 25 00	
Charles A. Longstreth, 50 00	475 00
Class of 1877,	
George Gluyas Mercer,	10 95
Class of 1878,	
Daniel Smiley, 500 00	
Edward T. Comfort, 100 00	
Albert L. Baily, 100 00	700 00
Class of 1880,	
John M. Whitall,	1,000 00
Class of 1881,	
Albanus L. Smith,	
William E. Page, 50 00	
Edward Y. Hartshorne, 10 95	85 95
Class of 1883,	
David William Edwards 10 00	
Stephen W. Collins, 5 00	15 00
Class of 1884,	
George Vaux, Jr., 500 00	
Francis A. White, 500 00	
A. Percival Smith,	1,025 00
Class of 1885,	
Theodore W. Richards,	5 00
Class of 1886,	
Charles Smith, 300 00	
William Paul Morris, 50 00	350 00
Class of 1887,	
F. Albert Herendeen, 15 00	
Anna N. Herendeen, 5 00	
Charles H. Bedell, 15 00	
Jesse E. Philips, 10 00	

WY WILL TO	10	0.0		
William Dean,	10			
John Bacon,	115			
Harold Ellis Yarnall,	10			
William H. Futrell,	25			
Arthur M. Hussey,	10			
William Estes Hacker,	15			
Barker Newhall,	14			
Alfred Cope Garrett,	20			
Richard J. White,	200			
Henry H. Goddard,	5	00		
Allen B. Clement,	5	00	374 35	,
Class of 1888,				
Edward H. Binns,	50	00		
Joseph W. Sharp, Jr.,	30	00		
Frederick W. Morris, Jr.,	5	00	85 00	)
Class of 1889,				
Victor M. Haughton,	1	10		
Franklin B. Kirkbride,	162	80		
J. Stogdell Stokes,	100	00	263 90	)
Class of 1890,				
Edward R. Longstreth,			15 00	)
Class of 1891,				
George Thomas, 3rd,			15 00	)
Class of 1893,				
Charles James Rhoads,	500	00		
Arthur V. Morton,	50			
Walter W. Haviland,	5	00		
William S. Vaux, Jr.,	100	00		
Clarence Gilbert Hoag,	5	00		
Charles Osborne,	5	00		
Horace G. Lippincott, Jr.,	50	00	715 00	)
Class of 1894,				
William Wistar Comfort,	15	00		
Francis J. Stokes,	50			
Edward E. Quimby,	25			
Kane S. Green,	17			
	100			
Henry W. Scarborough,	15			
William W. Strawbridge,	50			
Tr. Dolan blidge,	90	00		

Parker S. Williams,	50 00	322 00
Benjamin R. Hoffman,		50 00
Class of 1898,		. 00 00
Mrs. S. G. Morton Maule,	100 00	
E. Roberts Richie,	5 00	
Benjamin S. De Cou,	5 00	
Frank K. Walter,	5 00	
F. Algernon Evans,	30 00	
William A. Battey,	10 00	
Joseph Paul Morris,	25 00	480 00
Class of 1900,		
C. P. J.,		50 00
Class of 1901,		
E. Marshall Scull,		50 00
Class of 1902,		
C. Wharton Stork,	500 00	
William P. Philips,	10 00	
Alexander C. Wood, Jr.,	50 00	
Henry L. Balderston,	10 00	
George H. Thomas,	25 00	595 00
Class of 1903,		
Harry A. Domicovick,	15 00	
Robert Louis Simkin,	5 00	
Franklin Elverson Barr,	25 00	
Howard M. Trueblood,	5 00	
James B. Drinker,	$25 \ 00$	
Clarence R. Cornman,	15 00	
George Peirce,	25 00	
Henry Joel Cadbury,	5 00	
Carey V. Hodgson,	10 00	130 00
Class of 1904,		
William Parker Bonbright,	5 00	
D. Lawrence Burgess,	15 00	
Arthur Crowell,	30 00	
Samuel C. Withers,	15 00	
Lindley Murray Perkins,	10 00	
Martin Nixon Miller,	1 00	
A. Wesley Kratz,	7 00	

Ralph Waldo Trueblood, 5 00		
William T. Hilles,		
Philip D. Folwell, 50 00		
William M. C. Kimber, 50 00	213	00
Mary Coates,	50	00
Sarah H. Coates,	50	00
William M. Coates,	10	00
Henry H. Collins,	500	00
Edward T. Comfort,	10	00
Henry W. Comfort,	5	00
John H. Converse,	1,000	00
Estate of R. Anna Cope,	3,000	00
John B. Garrett,	70	00
Philip C. Garrett,	50	00
Charles Hartshorne,	100	00
William P. Henszey,	1,000	00
T. Allen Hilles,	25	00
Charles S. Hinchman,	500	00
William H. Jenks,	500	00
Alba B. Johnson,	25	00
Francis G. Peabody,	100	00
Harold Peirce,	35	00
Henry Pleasants,	50	00
Estate of Charles Roberts,	10	95
Lucy B. Roberts,	347	72
Alden Sampson,	5	00
Thomas Scattergood,	500	00
William Percy Simpson,	5	00
Edward B. Taylor,	25	00
Samuel M. Vauclain,	1,500	00
A. and S. W.,	1,000	00
Asa S. Wing,	25	00
John C. Winston,	300	00
George Wood,	40	00
Stuart Wood,	45	00
Walter Wood,	250	00

\$29,558.12

## ANNUAL ALUMNI PRIZE CONTEST IN ORATORY, 1905

FIFTH MONTH, 25TH

"A CALL FOR 75,000 VOLUNTEERS" Paul Jones, '05
"REASON AND FEELINGS" Lindley Smyth, Jr., '05
"THE NEW DEMOCRACY" Chester Jacob Teller, '05
"TO THE UNKNOWN-AN APPRECIATION" Walter Carson, '06
"JACKSON AND THE SPOILS SYSTEM" Warren Koons Miller, '06
"THE MEMORY OF VOLTAIRE" Elliott Bartram Richards, '06

## NINTH ANNUAL EVERETT MEDAL ORATORICAL CONTEST, 1905

## Extemporaneous Speaking

### EXERCISES OF COMMENCEMENT DAY

### SIXTH MONTH 16TH, 1905

#### ORDER OF EXERCISES

- II A. M.—I Commencement Exercises in Roberts Hall.
  - Introductory remarks by President Sharpless.
  - 2 Announcement of prizes and honors.
  - 3 Conferring of degrees.
  - 4 Address to the graduates by William Draper Lewis, Ph. D., (Haverford College, Class of 1888,) Dean of the Law School of the University of Pennsylvania.
  - II Address by James Wood, A. M., of Mt. Kisco, N. Y., (Haverford College, Class of 1858.) Accepting, on behalf of the College, an American Flag presented by Joshua L. Baily.
- 12.15 P. M.—III Presentation of Cricket Prizes in front of Founders Hall.
- 12.30 P. M. Luncheon on the lawn.
- 1.30 P. M.—IV Informal meeting of Old Students in Cope Pavilion.
- 2.00 P. M.—V Alumni-Undergraduate cricket game on Cope
- 2.30 P. M.—VI Cricket and Baseball games on Walton Field.
- 5.30 P. M. -- VII Alumni Business Meeting in Roberts Hall.
- 7.00 P. M. Alumni Supper (for Alumni and invited guests) on the lawn.
- 8.15 P. M.—VIII Alumni Oration in Roberts Hall delivered by Wilmot R. Jones (Haverford College, Class of 1882.)

## SCHEDULE OF RECITATIONS, 1904-1905

SECOND DAY

		SECO:	ND DAY			
8 30	9.30	10.30	11.30	1.30	2.00	3.00
		Math. VI			Physics	Greek IV
	Bib. Lit. IIa	French IV	German IV		Chemistr	rv
	Bib. Lit. IV	Physics VI Eng. VII			Govern. II	Phil. VII Biol. VIII
	Bib. Lit. IIa Bib. Lit. IV	Chem. IV	Econ. II	_	Egin. I	V
	Bib. Lit. IV	History IV Greek III	German I		Latin IV Biol. III	Math. VII
		Math. V	Bib. Lit. III	b	Engin. I	
	Bib. Llt. IIa Bib. Lit. IV	Eng. III	French II		Greek II French III	Latin II
	English II	Bib. Lit. IV	Greek I		riench III	History I
		TUI	RD DAY			
8.30	9.30	10.30	11.30	1.30	2.00	3.00
				\	Dhusias I	Astronomy I
Econ. III	Phil. Xa	Econ. V.	(Beg.Greek	)	Physics V English V	(Eng. XI)
Phil. VI	Econ. I	Geology I	Math. XIV		-Biol. Lab	. III
	Physics I	French I Chem. I	History III Italian I		Engin. I	Biology X
Latin II	Biol. II	Math. IIa			Soph. Chem	. Lab.——
Math. Ia	Latin I		German V German II		Biology I	French II Greek I
main. 1a						OTCOR I
			TH DAY			
8.30	9.30	Math. VI	11.30	1.30	2.00	3.00 Greek IV
English IX	Phil. IX	French IV	German IV			Greek IV Phil. VII Biol. VIII
	Latin III	Physics VI Eng. VII			Chemistr	Biol, VIII
Latin IV		Eng. VII Chem. IV	Econ. II		Engin, I	V
	Math. IV Math. IIIa	History IV Greek III	German I		Engin. I	Math. VII
		Math. V	001111111111111111111111111111111111111			
Math. IIa	Greek II French III	Eng. III	French II		Soph. Biol.	Lab
Math. Ia	English Ia		Greek I			Latin I
		THE	'H DAY			
8.30	9.30	10.30	11.30	1.30	2.00 3	3.00
		5-			Physics	11
English IX	Phil. IX				Engin. I (Beg. Greek)	Greek III
	Latin III				Chemistr	ry
Latin IV	Math. IV	3.7			Math. VI Engin. I	(Eng. X)
	Math. IIIa	Mee	ting		History III	German I
	Greek II				Italian I	Bib. Lit. VI
Math. IIa	French III				German V	Biol, VII
Math. Ia	English Ia				German II	Latin I
		SIX	TH DAY			
8.30	9.30	10.30	11.30	1.30	2.00 3	3.00
					Physics V	Astronomy I
Econ. III	Phil. Xa	Econ. V	(Beg.Greek	,	English VI	(Eng. XI)
Phil. VI	Econ. I	Geology I	Math. XIV		Biol. Lab. 1	Biology X
	Physics I	French I Chem. I	History III Italian I		Engin. I	11
Latin II	Biol. II	Math. IIa			Soph. Chem.	French II
Math. Ia	Latin I		German V German II		Biology I	Greek I
		CELLER				
			ITH DAY			
8.30	0.30	SEVEI				
8.30 Econ. III	Latin III	SLVEI				
Econ. III French I	Math. IV	31.4 15.1				
Econ. III French I	Math. IV	-				
Econ. III French I	Math, IV	-				

## STATED MEETING OF THE CORPORATION AND OF THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth, and Eleventh months.

## LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

## FORM OF LEGACY.











## HAVERFORD COLLEGE BULLETIN

VOL. IV.

FIRST MONTH, 1906

No. 2

## Catalogue

1905-1906



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



## **CATALOGUE**

OF

## Haverford College

1905-1906



HAVERFORD, PA

Press of The Iohn C. Winston Co. Philadelphia

## CALENDAR

## 1905-1906.

Examinations for Admission9th Mo. 25-26-24
College Year 1905-1906 began*9th Mo. 27
Winter Recess begins
Winter Term begins, 1906*1st Mo. 8
Second Half-year begins
Spring Recess begins4th Mo. 14
Spring Term begins*4th Mo. 23
Senior Class Day
Commencement and Alumni Day, 1906 6th Mo. 15
Examinations for Admission6th Mo. 18-19-20

## 1906-1907.

Examinations for Admission9th Mo. 24-25-26
College Year 1906-1907 begins9th Mo. 26
Winter Recess begins
Winter Term begins,* 19071st Mo. 7
Second Half-year begins
Spring Recess begins4th Mo. 13
Spring Term begins*4th Mo. 22
Senior Class Day6th Mo. 13
Commencement and Alumni Day, 19066th Mo. 14
Examinations for Admission6th Mo. 17-18-19

<sup>\*</sup>The first classes at the beginning of each term are held promptly at *half-past nine o'clock*. No absences from them are excused, unless clearly unavoidable.



## HISTORY AND DESCRIPTION.

In the spring of 1830, a meeting of a few Friends in Philadelphia, shortly followed by a similar meeting in New York, originated Haverford School. The two committees expressed the object of the effort as follows: "The members of the Society of Friends, having hitherto labored under great disadvantages in obtaining for their children a guarded education in the higher branches of learning, combining the requisite literary instruction with a religious care over the morals and manners of the scholars, . . . and carefully preserving them from the influence of corrupt principles and evil communications, it is therefore proposed that an institution be established in which the children of Friends shall receive a liberal education in ancient and modern literature, and the mathematical and other sciences."

The sum supposed to be necessary, forty thousand dollars, was raised without great effort, and the committee went out to seek a location. "We wished to procure," they say, "a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . and one that was recommended by the beauty of the scenery and a retired situation." They then report that, of the many places inspected by them, the only one which combined all

the advantages was one of one hundred and ninety-eight acres (since increased to two hundred and twenty-five) "near the eight-mile stone of the Lancaster turnpike." They explain the present and prospective merits of the farm, the beauty of the natural woods, the unfailing springs of purest water, the nearness to the new Pennsylvania railroad, in words which the succeeding decades have amply justified.

In the autumn of 1883 the school opened with twenty-one students, under the charge of a superintendent, who looked after the government, order and domestic economy of the family, a teacher of Ancient Languages and Ancient Literature, a teacher of English Literature and Mental and Moral Philosophy, and a teacher of Mathematics and Natural Philosophy.

The regulations of the new school were rigid. The bounds and hours of the boys were very strictly prescribed. All the details of the daily program were arranged with great care, and, if the elaborate provision of a number of wise men for the normal growth of students could convert boys into perfect men, the students of those early days had every advantage.

The school thus established grew rapidly into prosperity and debt. The charges were low, the teachers were liberally paid, and the years which followed were marked by a constant endeavor to produce a maximum of good results from very limited funds. The financial deficiencies were made up in a liberal spirit and a constant growth was maintained by frequent subscriptions. All this time the school was justifying the effort by the quality of its results and vas making for itself an increasing number of friends.

One of the first acts of the committee, after provision for absolute necessities, was to construct a gymnasium and make arrangements for systematic physical work. They were determined that the advantage gained by the salubrity of the surroundings should not be lost by want of exercise. Under their care the lawn was graded at considerable expense, and foreign and native trees set out with the design to make it a great arboretum. Cricket, a game not then known elsewhere in America, was introduced and has continued to flourish. A greenhouse and a flowergarden were established and maintained for twenty years by the work of the boys. The idea that has done harm elsewhere, that schools are places for mental development only, had no foothold here; but morals, muscles, and senses received their due share of culture.

In 1845 a temporary suspension was declared to allow the funds to accumulate and to give time for the collection of an endowment. This suspension lasted three years.

In 1852 the Observatory was built and supplied with an 8½-inch equatorial and a 4-inch transit. In 1856 the school was changed to a college, and was authorized by the Legislature to grant degrees; but previous to this time the course had been as extended as in most colleges. It was still hampered with a preparatory department, which was not abolished until 1861. In 1863, Alumni Hall, containing an auditorium and ample accommodation for the library, was built. In 1877, Barclay Hall, with its private dormitories and study-rooms, was erected by friends of the College at a cost of eighty-two thousand dollars. The Chemical Laboratories were improved in 1878. The new Observatory was built in 1883. The Mechanical Laboratory was established

in 1884 and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story stone structure, was built. The Biological Laboratory was established in 1886 and the Physical Laboratory in 1888. Since then the following buildings have been added to the college equipment: Chase Hall, for lectures and recitations, in 1888; the Cricket Shed in 1893; the enlargement of the nave and the south wing of Alumni Hall in 1898; Lloyd Hall in 1899; the large and wellequipped Gymnasium, presented by the Alumni at a cost of fifty thousand dollars, in 1900; Roberts Hall, the gift of Lucy Branson Roberts, for public lectures and college offices, in 1903; and, in 1905, a Dining Hall with offices and kitchen, erected by subscription of graduates and friends of the College. The whole of Alumni Hall is now available for the housing of the library, which contains forty-six thousand volumes. Various donations and bequests were received during these years, and in 1897 the Jacob P. Jones endowment, worth about a million dollars, came into the possession of the College.

During this time Haverford had developed into a fullyorganized college. Many rules, adapted to boys of boarding-school age, had been modified or abandoned, though enough restraint was retained to provide against demoralization. The standard of admission was raised. Students of any denomination were admitted. The number of teachers was increased sixfold. The annual charge was increased from two hundred dollars to five hundred dollars,\*

<sup>\*</sup>According to the situation of the room the price may vary from \$350 to \$575.

which still fails to represent what the College has to pay for professors' salaries and the board and care of students.

In Barclay and Lloyd Halls two students occupy a studyroom, and each has his private bed-room adjoining. A few single rooms are also available. Recitation-rooms and laboratories are in Founders Hall. Some of the professors live in the halls with the students, and others have houses on the grounds.

The College has a remarkably pleasant and healthful location in the township of Haverford, Delaware County,\* Pa., nine miles west of the center of Philadelphia, on the main line of the Pennsylvania Railroad. The buildings are surrounded by grounds of about sixty acres, tastefully laid out, with a great variety of trees and shrubbery. These grounds provide excellent fields for cricket, football, golf, tennis and other field games, a running track, and a pond for skating.

Retaining the old idea of a "guarded education" and "religious care over morals and manners" the College has sought to attain these ideals, and has measurably succeeded by appeals to Christian principle and manliness rather than by the exercise of arbitrary power.

<sup>\*</sup>Haverford Post-Office is in Montgomery County.

## CORPORATION.

### President.

T. WISTAR Brown......235 Chestnut st., Philadelphia

## Secretary.

J. STOGDELL STOKES.....1011 Diamond st., Philadelphia

### Treasurer.

Asa S. Wing.......409 Chestnut st., Philadelphia

#### BOARD OF MANAGERS.

T. WISTAR BROWN, President.

235 Chestnut st., Philadelphia
\*Philip C. Garrett .......Logan, Philadelphia
David Scull .......113 S. Fourth st., Philadelphia
Richard Wood ......400 Chestnut st., Philadelphia
Charles Hartshorne .....Merion Station, Pa.
John B. Garrett ......Rosemont, Pa.
Edward Bettle, Jr. .....514 Walnut st., Philadelphia
Benjamin H. Shoemaker,

205 N. Fourth st., Philadelphia Howard Comfort, Secretary. . 529 Arch st., Philadelphia Justus C. Strawbridge.

School Lane, Germantown, Phila.

<sup>\*</sup> Deceased, Twelfth Month 9th, 1905.

Asa S. Wing
Francis StokesLocust ave., Germantown, Phila.
James Wood
ABRAM F. HUSTONCoatesville, Pa.
*J. Preston ThomasWhitford, Pa.
WILLIAM H. HAINES1136 Ridge ave., Philadelphia
WALTER WOOD400 Chestnut st., Philadelphia
GEORGE VAUX, JR404 Girard Building, Philadelphia
RICHARD M. JONES
WILLIAM H. JENKS2004 Arch st., Philadelphia
Francis A. White1221 N. Calvert st., Baltimore, Md.
STEPHEN W. COLLINS 69 Wall st., New York, N. Y.
Jonathan Evans
Samuel L. Allen1107 Market st., Philadelphia
J. STOGDELL STOKES1011 Diamond st., Philadelphia
THOMAS F. BransonRosemont, Pa.
Frederic H. Strawbridge801 Market st., Philadelphia

<sup>\*</sup>Deceased, Eleventh month 20th, 1905.

1905-1906

# FACULTY.

ISAAC SHARPLESS, Sc. D., LL. D., L. H. D. President and Professor of Ethics.

ALLEN CLAPP THOMAS, A. M., Librarian and Professor of History.

LYMAN BEECHER HALL, Ph. D., John Farnum Professor of Chemistry.

Francis Barton Gummere, Ph. D., Professor of English and German.

ERNEST WILLIAM BROWN, Sc. D., F. R. S., Professor of Mathematics.

WILFRED PIRT MUSTARD, PH. D., Professor of Latin.

HENRY SHERRING PRATT, PH. D., David Scull Professor of Biology.

James Addison Babbitt, A. M., M. D., Physical Director and Associate Professor of Physiology.

> RUFUS MATTHEW JONES, A. M., LITT. D., Professor of Philosophy.

OSCAR MARSHALL CHASE, S. M., Secretary of the College and Instructor in Drawing.

ALBERT SIDNEY BOLLES, PH. D., LL. D., Lecturer on Commercial Law and Banking.

Don Carlos Barrett, Ph. D., Dean and Associate Professor of Economics.

ALBERT ELMER HANCOCK, Ph. D., Associate Professor of English and German.

LEGH WILBER REID, PH. D., Associate Professor of Mathematics.

WILLIAM WISTAR COMFORT, PH. D., Associate Professor of Romance Languages.

WILLIAM WILSON BAKER, PH. D., Associate Professor of Greek.

Frederic Palmer, Jr., A. M., Instructor in Physics and Astronomy.

ALFRED COPE GARRETT, PH. D., Lecturer on Biblical Literature.

LEON HAWLEY RITTENHOUSE, M. E., Instructor in Mechanics and Electricity.

WILLIAM HENRY COLLINS, A. M., Superintendent of Buildings and Grounds.

RALPH WALDO TRUEBLOOD, A. M., Assistant in the Chemical Laboratory.

# STUDENTS.

The letters in the last column denote the courses taken. The letter A denotes the Arts course, S the course in General Science, and E the course in Engineering.

#### TEACHING FELLOWS.

- Spaeth, Sigmund Gottfried, A. B. (Haverford College), Mt. Airy, Pa.
- Teller, Chester Jacob, S. B. (Haverford College), Philadelphia, Pa.

### GRADUATE STUDENTS.

- Laughlin, Sceva Bright, A. B., A. M. (Penn College), Hubbard, Iowa.
- Wilson, Samuel Norman, A. B. (Haverford College), Oxford, Pa.

## SENIOR CLASS.

Bainbridge, Edmund Fletcher	Philadelphia, Pa.	A
Baldwin, Donald Cornog	Philadelphia, Pa.	A
Breyfogel, Frank Seneca	Reading, Pa.	A
Brown, Thomas Kite, Jr.	Westtown, Pa.	A
Carson, Walter	Camden, N. J.	A
Cary, Richard Lucius	Baltimore, Md.	A

Crowell, Thomas	Avondale, Pa.	$\mathbf{E}$
Dickson, Aubrey Cowtan	Wayne, Pa.	A
Doughten, H. Warrington, Jr.	Moorestown, N. J.	A
Edsall, Joseph Pusey	Bryn Mawr, Pa.	E
Fales, James Turner	Lake Forest, Ill.	A
Graves, Gordon Harwood	Richmond, Ind.	A
Haines, William Henry, Jr.	Germantown, Pa.	A
Hemphill, Albert Weimer	New York, N. Y.	$\mathbf{E}$
Hopper, Harry Boardman	Narberth, Pa.	$\mathbf{S}$
Kennard, William, Jr.	Moorestown, N. J.	A
Lindsay, William Gibbon	Madison, N. C.	A
Lowry, Arthur Tilghman	Philadelphia, Pa.	A
Miller, Warren Koons	Allentown, Pa.	·A
Monroe, James	Mt. Airy, Pa.	A
Morris, Francis Bolton	Villa Nova, Pa.	$\mathbf{S}$
Mott, Joseph Walton	Whittier, Iowa	$\mathbf{S}$
Nauman, Spencer Gilbert	Lancaster, Pa.	A
Philips, Jesse Duer	Kennett Square, Pa.	A
Pleasants, Henry, Jr.	Wayne, Pa.	A
Reid, David	Philadelphia, Pa.	A
Richards. Elliott Bartram	Merion, Pa.	A
Sands, Ralph William	Hawley, Pa.	A
Schweyer, Daniel Herbert	King-of-Prussia, Pa.	S
Scott, Roderick	Yonkers, N. Y.	A
Sheldon, Franklin Gates	Swanton, Vt.	A
Shortlidge, Raphael Johnson	West Chester, Pa.	A
Smiley, Albert Keith, Jr.	Mohonk Lake, N. Y.	A
Stratton, John Alfred	Philadelphia, Pa.	$\mathbf{S}$
Taylor, Francis Richards	West Chester, Pa.	A
Tunney, Joseph	Philadelphia, Pa.	A
Young, Walter Albert	Wellsford, Kans.	A

# JUNIOR CLASS.

Birdsall, Joseph Cooper	South Starksboro, Vt.	A
Brown, Arthur Emlen	Germantown, Pa.	S
Brown, Paul Willits	East Downingtown, Pa.	A
Comfort, George Brinton	West Chester, Pa.	$\mathbf{E}$
Croll, Walter Lewis	Bryn Mawr, Pa.	A
Desmond, Thomas Charles	Tacony, Pa.	A
Dodge, Ira Jacob	Akron, Ohio.	S
Eldridge, William Stauffer	Philadelphia, Pa.	A
Evans, Harold	Germantown, Pa.	A
Godley, Francis Downing	Haverford, Pa.	S
Gummere, Samuel James	Haverford, Pa.	S
Haines, Wilbur Hamilton	Philadelphia, Pa.	S
Jones, Ernest Fuller	South China, Me.	A
Magill, James Phineas	West Chester, Pa.	S
March, Joseph Cornell Beans	Parker Ford, Pa.	A
March, Michael Henry	Pottstown, Pa.	S
Nicholson, John Whitall, Jr.	Moorestown, N. J.	A
Padin, José	San Juan, Porto Rico	S
Rossmaessler, William Ryle	Germantown, Pa.	S
Shoemaker, Howard Hey	Philadelphia, Pa.	A
Tatnall, Edward Comfort	Haverford, Pa.	S
Tatnall, Emmett Robinson	Bryn Mawr, Pa.	A
Warner, Alexander Nes	Titusville, Pa.	E
Windle, William Butler	West Chester, Pa.	A
Wood, George Hallock	Williamsport, Pa.	$\mathbf{E}$

# SOPHOMORE CLASS.

Baily, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A

Burtt, Howard	Frankford, Pa.	A
Bushnell, Joseph, 3rd	Philadelphia, Pa.	E
Clement, John Browning	Overbrook, Pa.	A
Collings, Clifford Carmalt	Camden, N. J.	$\mathbf{s}$
Drinker, Cecil Kent	South Bethlehem, Pa.	$\mathbf{S}$
Edwards, Edward Aikin	Philadelphia, Pa.	E
Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Hill, Thomas Rothwell	Philadelphia, Pa.	E
Kurtz, William Wesley, 2nd	Germantown, Pa.	$\mathbf{E}$
Linton, Morris Albert	Moorestown, N. J.	$\mathbf{E}$
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Morriss, William Haviland	Baltimore, Md.	A
Morton, Alfred Balch	Baltimore, Md.	A
Musser, Frederic Omar	Ardmore, Pa.	A
Sargent, Winthrop, Jr.	Haverford, Pa.	A
Scott, Carl Forse	Yonkers, N. Y.	A
Shoemaker, Walter Rodman	Philadelphia, Pa.	A
Strode, George King	West Chester, Pa.	$\mathbf{S}$
Thomas, James Carey	Haverford, Pa.	A
Whitson, Walter Wilkin	Old Westbury, L. I., N. Y	.A
Wing, Stephen Remington	Philadelphia, Pa.	E
Wright, Edwin	Columbus, N. J.	S

# FRESHMAN CLASS.

Bard, George Smith	Mt. Airy, Pa.	E
Brey, Robert Newton	Philadelphia, Pa.	S
Clauser, Claude	Denver, Colo.	E
Cope, Joseph	West Chester, Pa.	E
Crowell, James White	Avondale, Pa.	S

Deacon, Gerald Hartley	Germantown, Pa.	A
Dodge, Burdette, Jr.	Akron, Ohio	A
Fay, Percival Bradshaw	Washington, D. C.	A
Febiger, William Sellers	Philadelphia, Pa.	$\mathbf{E}$
Hamilton, Frederick Clifford	Stamford, Conn.	$\mathbf{E}$
Hires, Harrison Streets	Merion, Pa.	A
Killen, Clarence Creadick	Wilmington, Del.	A
Kitchen, Paul Cliff	Philadelphia, Pa.	$\mathbf{A}$
Lewis, Thomas Krapfel	Merchantville, N. J.	S
Lowry, Alfred, 2nd	Philadelphia, Pa.	A
Lutz, Howard Milton	Llanerch, Pa.	A
Marsh, Charles Edward	Coalgate, Ind. T.	$\mathbf{S}$
Martin, Harold Thomas	Cochranville, Pa.	$\mathbf{E}$
Miller, Paul Van Reed	Philadelphia, Pa.	A
Mott, Richard Henry	Whittier, Iowa	S
Myers, Frederick, Jr.	Philadelphia, Pa.	S
Pennypacker, Joseph Whitaker	Haddonfield, N. J.	A
Philips, David Leon	Kennett Square, Pa.	A
Powell, William Chambers	Bryn Mawr, Pa.	S
Ristine, Charles Scott	Bryn Mawr, Pa.	$\mathbf{E}$
Ryan, Thomas Augustine	Rosemont, Pa.	A
Sharpless, Thomas Kite	West Chester, Pa.	A
Shoemaker, Edwin	Philadelphia, Pa.	S
Spaeth, Reynold Albrecht	Mt. Airy, Pa.	S
Spiers, Mark Herbert Carver	Wayne, Pa.	S
Stokes, Joseph Warrington	Moorestown, N. J.	S
Taylor, Frederick Raymond	Philadelphia, Pa.	S
Thompson, Charles Baker	Baltimore, Md.	A
Underhill, R. Lindley Murray	Ossining, N. Y.	A
Warnock, Aaron Degrauw	Jamaica, N. Y.	S
Williams, Lloyd Garrison	Esmond, N. Dak.	A

### SPECIAL STUDENTS.

Barr, Karl Jackson
Craig, George Craig
Ervien, Robert
Green, John Clinton
Hill, Allan Janney
Loewenstein, Sidney
Miller, Charles Lichty
Moore, Lawrence Clayton
Pearson, Henry Grant
Ramsey, Frank McCracken
Smiley, Hugh
Stetson, Joseph Van Dusen
Stribling, William Clarkson
Troth, John Theodore
Warner, William Weatherby

Paris, Ill.
Rosemont, Pa.
Philadelphia, Pa.
Mount Royal, N. J.
Minneapolis, Minn.
Philadelphia, Pa.
Lancaster, Pa.
Ercildoun, Pa.
Germantown, Pa.
Sterling, Kans.
Mohonk Lake, N. Y.
Philadelphia, Pa.
Markham, Va.
St. Davids, Pa.
Titusville, Pa.

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# REQUIREMENTS FOR ADMISSION.

Candidates for the Freshman Class are admitted on examination. No certificates are accepted.

Examinations are held twice a year, in the Sixth and the Ninth month, at the College, except in cases of distant candidates, for whom special arrangements may be made.

In 1906 the dates will be as follows:—

Sixth month 18th, and Ninth month 24th.

9.00-10.00 Latin Composition.

10.00-11.30 Latin Prose Authors.

 $11.30-12.45 \begin{cases} \text{Latin Poets.} \\ \text{English History.} \end{cases}$ 

1.30- 3.30 Algebra.

3.30-4.30  $\begin{cases} \text{Greek Composition.} \\ \text{Physics.} \end{cases}$ 

Sixth month 19th, and Ninth month 25th.

9.00-11.15 French.

9.00-10.30 Xenophon.

10.30-11.45 Homer and Sight Translation.

1.30- 3.00 English.

3.00- 5.00 German.

Sixth month 20th, and Ninth month 26th.

9.00-11.00 Plane Geometry. 11.00-12.00 Roman History.

A candidate may pass a preliminary examination in some of his studies and be examined in the remaining studies in a subsequent year. A certificate will be given for the studies passed. No student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared.

The examinations of the College Entrance Examination Board of the Middle States and Maryland will be accepted in place of corresponding Haverford examinations.

Candidates for Corporation scholarships (see page 75) must take all their examinations not later than the Sixth month of the year of entry.

## SUBJECTS FOR EXAMINATION.

# ENGLISH.\*

A. Reading.—Certain books are selected for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter. The form of examination will usually be the writing of a paragraph or two on each of the several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics should show the candidate's power of clear and accurate expression, and will

<sup>\*</sup>Note.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

call for only a general knowledge of the substance of the books.

The books selected for the examinations to be held in 1906-7-8 will be Shakspere's Merchant of Venice and Macbeth; Addison's The Sir Roger de Coverley Papers in the Spectator; Irving's Life of Goldsmith; Coleridge's Ancient Mariner; Scott's Ivanhoe and Lady of the Lake; Tennyson's Gareth and Lynette, Launcelot and Elaine and The Passing of Arthur; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

B. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, style and construction.

The books selected for the examinations to be held in 1906-7-8 will be: Shakspere's Julius Casar; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's speech on Conciliation with America; Macaulay's essays on Addison and Johnson.

The English examination may be taken in two parts.

## MATHEMATICS.

Algebra A.—The four fundamental operations, factoring, highest common factor, least common multiple, the solution of equations of the first degree in one or more unknown quantities, problems leading to such equations, powers and roots, radicals including extraction of square roots of polynomials and numbers, and fractional and negative exponents.

Algebra B.—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, permutations and combinations, and the binomal theorem for a positive integral exponent.

Algebra B cannot be taken as preliminary examination.

Plane Geometry.—The demonstration of theorems and constructions as found in the usual text-books. Simple original theorems, constructions and numerical exercises.

Students should have at their command a knowledge of the principal theorems, so that they may be able to apply them.

Science.—Elementary Physics.

## HISTORY.

- (a) Grecian History to the death of Alexander.
- (b) Roman History to the death of Marcus Aurelius.
- (c) English History.
- (d) United States History, including the periods of discovery and colonization.

GREEK.—(a) Xenophon, Anabasis, Books I-IV; Homer, Iliad, Books I-III, omitting the Catalogue of Ships. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Attic prose. (c) The translation into Greek of a simple English passage based upon some portion of the Xenophon prescribed.

LATIN.—(a) Caesar, the Gallic War, Books I-IV; Cicero, the speech on the Manilian Law, the four against Catiline and the speech for Archias; Virgil, the Aeneid, Books I-VI. Other books of Caesar or speeches of Cicero may be substituted for those mentioned, if due notice is given. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Latin prose or verse. (c) The translation into Latin of a simple English passage, based upon some portion of the Cicero or Caesar prescribed.

GERMAN.—(a) The translation at sight of ordinary German prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into German of simple English sentences or of easy connected prose, to test the candidate's familiarity with the grammar. (c) Special emphasis will be laid upon proficiency in grammar.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in German (see page 37) will be adequate for preparation.

French.—(a) The translation at sight of ordinary French prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into French of simple English sentences or of easy con-

nected prose. (c) Special emphasis will be laid upon proficiency in grammar.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in French (see page 39) will be adequate for preparation.

# SUBJECTS FOR ADMISSION, 1906.

## I. For the Course in Arts:-

English, Algebra, Plane Geometry, Latin, two Histories,\* and one of the following:

- (a) Greek;
- (b) German and French;
- (c) German and Physics;
- (d) French and Physics.

# II. For the Courses in Science:-

English, Algebra, Plane Geometry, any two Histories, and one of the following:

- (a) Any two of the four languages, Greek, Latin, German, French;
- (b) Any one of these languages with Physics.

# SUBJECTS FOR ADMISSION, 1907.

# I. For the Course in Arts:—

The same as for 1906.

<sup>\*</sup>Candidates presenting the Greek language must offer Grecian History, and candidates presenting Latin, Roman History.

## II. For the Courses in Science:-

English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), and one of the following:

- (a) Any two Histories;
- (b) Any one History with Physics.

Students not able to pass all of the examinations may be admitted with a few conditions. Each case will be decided on its merits.

Students not candidates for degrees may be permitted to pursue special courses, for proficiency in which certificates may be granted; but this permission will be given only to students of ability and character sufficient to insure their success.

Candidates may be admitted to advanced classes if found proficient in all the preliminary studies of the course. Each case will be considered on its merits.

Every candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must present certificates of honorable dismissal.

# COURSES OF INSTRUCTION.

- I. Course in Arts leading to the degree of Bachelor of Arts.—Latin and other languages offered for admission must be continued for two years. All courses given in any department are open as electives during the last two years on compliance with the necessary preliminaries.
- II. Course in Science leading to the degree of Bachelor of Science.—This course is divided into four sections, for admission to any of which a student may offer until 1907 (see page 25) two languages or one language and Physics.

Languages presented for admission must be continued according to the schedule on pages 30, 31.

(a) Course in General Science.—The elective list is practically the same as in the course in Arts.

French III and German III are required for graduation; if either of these courses has not been taken in the Sophomore year, it must be taken as an elective in the Junior or the Senior year.

- (b) Course in Mechanical Engineering.—This course consists largely of mathematics, applied science and work in the shop and drawing-room.
- (c) Course in Electricity.—Electricity is substituted for the special mechanical work of Course (b) during the last two years.

(d) Chemical and Preparatory Medical Course.—This course has the double purpose of training specialists in chemistry and of preparing students to enter medical schools. The latter object can also be obtained by proper electives in the courses in Arts and General Science.

# COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS.

In laboratory and gymnasium work two and one-half hours must be taken for each hour given below.

#### FRESHMEN.

	urs per Week.
Greek I, or German II, or French II	4
Latin I	4
English Ia, Ib, II	3
Mathematics Ia, Ib, Ib'	
History I	2
Biblical Literature IV	1
Biology I and Physical Training	2
SOPHOMORES.	
Greek II, or German III, or French III	3
Latin II	3
English III	2
*Mathematics IIa, IIb, or Chemistry I	4
*Physics I, or Biology II	

<sup>\*</sup>In place of either of these groups students who take both Greek and Latin may elect four hours of advanced Greek or Latin, or German II, or French II.

Biblical Literature I, or IV	oer Week. $1$ $1\frac{1}{2}$
JUNIORS.	
Greek, or Latin, or Mathematics	3
English IV, or V	1
Economics I	2
Philosophy I	2
Biblical Literature I, II, or IV	1
Electives	7
SENIORS.	
English IV, or V	1
Philosophy Va and Vb	2
Biblical Literature I, II, or III	1
	12

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE.

CHEMICAL AND PREPARATORY MEDICAL.	Biblical Lift. IV. "1 English Id, Ib, II. 3 History I 2 Mathematics Id, Ib, Ib'	Biblical Lit. IV 1 English III
ELECTRICAL,	Biblical Lift. IV. *1 English Ia, Ib, II. 3 History I	Biblical Lit. IV 1 English III
SCIENCE. MECHANICAL. ELECTRICAL. CHEPAB.	Biblical Lif. IV. *1 English Ia, Ib, II. 3 History I 2 Mathematics Ia, Ib, Ib' 4 German II or French II 4 Shopwork and Drawing 4 Biology I and Physical Training 2	Biblical Lit. IV 1 English III 2 Mathematics IIa, IIb
GENERAL SCIENCE.	Biblical Lif. IV. *1 English Ia, Ib, II. 3 History I	Biblical Lit. IV 1 English III 2 Mathematics IIa, IIb or Chemistry I 4 Physics I or Biology II 4 German 3 French 3
	FRESH MEN.	SOPHOMORES.

Biblical Lit. IV 1  English IV or V 1  German II or French II 4  Organic Chemistry 2  Analytical Chemistry or Biology 6	Biblical Lit. III 1 English IV or V 1 Philosophy Va, Vb. 2 Analytical Chemistry or Biology or Physics 6	Electives 7	
Biblical Lift, IV 1  English IV or V 1  Math. IIIa, IIIb 3  Engineering I or II 2  Electricity 2  Shopwork 2	Chomistry I 4 Electives 2 Biblical Lit. III 1 English IV or V 1 Philosophy Va, Vb . 2 Mathematics IV 3 Electricity 3	Chemistry 2 Electives 3	
Biblical Lit. IV 1  English IV or V 1  Math. IIIa, IIIb 3  Engineering I or II 2  Shopwork 2  Drawing 2	Chemistry I 4 Electives 2 Biblical Lit. III 1 English IV or V 1 Philosophy Va., Vb. 2 Mathematics IV 3 Engineering I or II 2 Drawing 2	Electricity 2 Electives 3	
Biblical Lit. IV 1 Economics I 2 Philosophy I 2 English IV or V 1 Natural or Physical Science or Math. 6	Biblical Lit. III 1 English IV or V 1 Philosophy Va, Vb. 2 German III† 3 French III† 3	Electives 6	
JUNIORS.	NIORS.	SENIOES.	

\* Figures in these columns indicate hours per week. In laboratory, gymnasium and shopwork, two and one-half hours must be taken for each hour here indicated.
† If this course has been previously taken, an elective is to be substituted.

#### GREEK.

Greek I and II are required, respectively, of Freshmen and Sophomores who present Greek for admission.

Courses III, IV and V are elective for Seniors and Juniors; Course A, for all students.

A. Course for Beginners. Thorough study of the elements of the language, followed by the reading of simple Attic prose; Xenophon, Anabasis; selections from other authors.

Professor Baker; 3 hours.

I. Lysias, Select Orations; Homer, Odyssey, Books I-XII. Sight reading. Greek composition.

Professor Baker; 4 hours.

II. Plato, Apology, Crito and selections from Phaedo; selections from Aristophanes, Clouds, and Xenophon, Memorabilia; Aeschylus, Prometheus; Euripides, Alcestis. Sight reading. History of Greek Literature.

Professor Baker; 3 hours.

III. Thucydides, Books VI and VII; Sophocles, Oedipus Tyrannus; Euripides, Medea; Aristophanes, Frogs. Study of other plays in English translation.

Professor Baker; 3 hours.

IV. Plato, Gorgias, with selections from other dialogues; Demosthenes, On the Crown, with selections from Aeschines, Against Ctesiphon.

Professor Baker; 3 hours.

V. Aeschylus, Agamemnon; history of Lyric Poetry with illustrative reading; Pindar, Olympian Odes.

Professor Baker; 3 hours.

#### BIBLICAL LITERATURE.

I. Greek Testament. Interpretation of the Gospel. This course is required of Sophomores who present Greek for admission.

Dr. Garrett; 1 hour.

II. Greek Testament. Interpretation of the Pauline Epistles. This course is continued through two years and is required of all Juniors and Seniors who present Greek for admission.

Professor Baker; 1 hour.

## LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores who present Latin for admission.

Courses III, IV, V and VI are elective for Seniors and Juniors.

I. Selections from Livy; selections from Pliny's Letters; Virgil, *Bucolics* and *Fourth Georgic*. Translation at sight. Prose composition.

Professor Mustard; 4 hours.

II. Virgil, Georgics, Books I-II; Catullus; Horace, Odes and Epodes. Translation at sight.

Professor Mustard; 3 hours.

III. The principal Satires of Juvenal; the principal Satires and Epistles of Horace; Tacitus, *Annals*, Books I-VI. Translation at sight.

Professor Mustard; 3 hours.

IV. Terence, Adelphoe; Plautus, Menaechmi; selections from Lucretius; Quintilian, Institutio Oratoria, Book X. Translation at sight.

Professor Mustard; 3 hours.

V. Advanced Latin Composition.

Professor Mustard; 1 hour.

VI. The Elements of Comparative Philology.

Professor Mustard; 1 hour.

# ENGLISH LANGUAGE AND LITERATURE.

English Ia, Ib and II are required of all Freshmen; English III of all Sophomores, and English IV of all Seniors and Juniors except those electing English V. The other courses are elective for Seniors and Juniors. No student will be graduated who cannot write a creditable style extemporaneously.

Ia. Freshman English. The elements of rhetoric and studies in style. Genung, Handbook of Rhetorical Analysis. Extemporaneous speeches.

Professor Hancock; 2 hours, first half-year.

Ib. American Literature. A brief historical and critical survey of American letters. Wendell, Literary History of America. Extemporaneous speeches. Weekly themes.

Professor Hancock; 2 hours, second half-year.

II. Freshman English Literature. Lectures on the foundations of English literature, and on its development down to the time of Shakspere. Readings and reports.

Professor Gummere; 1 hour.

III. Sophomore English. Lectures on rhetoric and the appreciation of literature. Readings from selected authors. Weekly themes. Extemporaneous speeches.

Professor Hancock; 2 hours.

IV. Senior and Junior English. Essays, extemporaneous themes and general readings in literature, history and biography. The regulations of this course will be found, in detail, in the printed pamphlet.

Professor Hancock; 1 hour.

V. Advanced Themes. Lectures on the principles of literary art and method. Regular practice in the various forms of composition.

Professor Hancock; 1 hour.

VIa. Forensics. Advanced work in extemporaneous speaking. Occasional addresses and debates. Readings in the British and American orators.

Professor Hancock; 1 hour.

VIb. Public Speaking. Addresses on social and political topics. Arguments and pleas for civic reforms. This course is open only to those who have taken VIa and the class is limited to twelve members.

Professor Hancock; 1 hour.

VII. Early English. Bright, Anglo-Saxon Reader. Elene. Béowulf.

Professer Gummere; 2 hours.

VIII. Middle English. English Literature in the thirteenth and fourteenth centuries. Chaucer, Canterbury Tales. English and Scottish Ballads. Lectures and readings.

Professer Gummere; 2 hours.

Electron.

IX. Elizabethan Literature. Lectures on the development of English literature, particularly of the drama, down to Shakspere. Readings of old plays and of Elizabethan masterpieces. All the plays of Shakspere, three read critically in class.

Professer Gummere; 2 hours.

X. English Literature of the Seventeenth Century. Lectures, with readings in the general literature, and a special study of Milton. Selections from the Minor Poems, the Comus and certain books of Paradise Lost, with the whole of Samson Agonistes, are read in class.

Professor Gummere; 1 hour.

XI. Modern English Prose Writers. Lectures on the lives and works of Steele, Addison, Defoe, Swift, Johnson, Goldsmith, Burke, De Quincey, Lamb, Carlyle, Arnold, Ruskin, Dickens, Thackeray, George Eliot and others. Collateral readings and reports.

Professor Hancock; 2 hours.

XII. English Poetry of the Nineteenth Century. Lectures on the lives and works of Burns, Coleridge, Wordsworth, Shelley, Byron, Keats, Arnold, Clough, Tennyson and Browning. Collateral readings and reports.

Professor Hancock; 2 hours.

#### GERMAN.

German II is required of all Freshmen and German III of all Sophomores who present German for admission.

I. First Year German. German grammar and reading exercises. Thomas, German Grammar; Guerber, Märchen und Erzählungen; Heyse, L'Arrabbiata; Storm, Immensee; Hauff, Die Karawane and Das kalte Herz.

S. G. Spaeth; 3 hours.

II. Second Year German. A course in the rapid reading of representative German writers. Baumbach, Im Zwielicht; Lessing, Minna von Barnhelm; Schiller, Wilhelm Tell; Goethe, Hermann und Dorothea and Götz von Berlichingen; Heine, Buch der Lieder; Bürger, Lenore. Practice in sight reading. In addition the members of the class will read privately Dahn, Ein Kampf um Rom; Sudermann,

Frau Sorge; von Scheffel, Trompeter von Säkkingen; Fouqué, Undine.

Professor Hancock; 4 hours.

III. German Literature. Goethe, Faust and Iphigenie; Schiller, Wallenstein. Selections from classic authors. Readings.

Professor Gummere; 3 hours.

IV. German Prose Composition. Von Jagemann, German Syntax. Rapid Review of German Grammar with particular regard to idiomatic usage. Weekly conversations and discussions of literary masterpieces, in German. Private reading of German authors. Translation into German of easy English prose.

S. G. Spaeth; 2 hours.

V. Scientific German. Rapid reading in class of difficult prose in science, history and philosophy, together with private reading of some treatise on a special subject chosen by the student and approved by the instructor.

Professor Gummere; 2 hours.

VI. Middle High German. Paul, Mittelhochdeutsche Grammatik; Das Nibelungenlied; poems of Walther von der Vogelweide.

Professor Gummere; 2 hours.

# FRENCH.

French II is required of all Freshmen and French III of all Sophomores who present French for admission.

Students wishing to qualify for French II may do so by passing either the final examination in French I or the entrance examination in Sixth month or Ninth month.

I. First Year French. A course to give the student an elementary knowledge of grammar and a fair reading knowledge of the language. The following books are used: Fraser and Squair, French Grammar; Bruno; Tour de la France; Halévy, L'Abbé Constantin; Bedollière, La Mère Michel et son Chat; Labiche, Le Voyage de Monsieur Perrichon.

Professor Comfort; 3 hours.

II. Second Year French. Grammar work continued and rapid reading. The following books are used: Fraser and Squair, French Grammar; Lamartine, Graziella; Loti, Pêcheur d'Islande; Daudet, Contes; Mérimée, Chronique du Règne de Charles IX; Hugo, Hernani; Super, Histoire de France; Corneille, Le Cid; Molière, L'Avare; La Fontaine, Fables.

Professor Comfort; 4 hours.

III. Rapid reading of French classics of the seventeenth and nineteenth centuries. The following authors are read: Corneille, Racine, Molière, Bossuet, Hugo, Lamartine, Musset, Daudet, Coppée, Maupassant, Renan. In connection with the above the class makes use of Petit de Julleville, Leçons de Littérature Française and Fortier, Sept Grands Auteurs du Dix-neuvième Siècle.

Professor Comfort; 3 hours.

IV. A lecture course treating the history of French literature from its origins to the present time. Attention is especially directed to the study of literary tendencies, the development of the national spirit, and the relations of the literature of France to that of other countries. A large amount of outside reading, with written reports, is called for. This course is conducted in French, and is open only to students who have passed creditably in French III.

Professor Comfort; 2 hours.

V. A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

Professor Comfort; 2 hours.

# SPANISH.

I. An elementary course intended for those who wish the essentials of the Spanish language, either for a business career or for literary work. The following books are used: Hills and Ford, A Spanish Grammar; Padre Isla, Gil Blas de Santillana; Alarcón, El Capitán Veneno; Moratín, El Sí de las Niñas; Calderón, La Vida es Sueño.

Professor Comfort; 3 hours.

## ITALIAN.

I. An elementary course in reading Italian. Grandgent, *Italian Grammar;* Bowen, *Italian Readings*, are used. The following authors are read: Goldoni, Boccaccio, Dante.

Professor Comfort; 3 hours.

#### MATHEMATICS.

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshmen and Sophomore work and do not intend to proceed further in mathematics, (2) elect them as a minor subject and take either physics, engineering or astronomy as a major subject, (3) take them as part of the required work of the Engineering course, or (4) elect them as a major subject.

Courses I, II, III, IV are given every year and XIV in alternate years. The electives to be offered in any one year will be such as the needs of the department may require. Courses on certain subjects other than those named below may be arranged by consultation either for undergraduates or graduates.

In the Library will be found some of the principal journals, treatises and collected works. There are also libraries nearby where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses Ia, Ib, and Ib' are required of all Freshmen. Courses IIa and IIb are Sophomore courses.

Ia. Algebra; including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, College Algebra.

Professor Reid; 4 hours, first half-year.

Ib. Solid Geometry and Mensuration. Thompson, Elementary Solid Geometry. Ib'. Trigonometry. The ele-

ments of plane trigonometry, including the solution of right and oblique plane triangles with application to practical problems. Lyman and Goddard, *Plane Trigonometry*. Professor Reid; 4 hours, second half-year.

IIa. Plane Analytic Geometry, including that of the curves of the second degree. Tanner and Allen, Analytic Geometry.

Professor Brown; 4 hours, first half-year.

IIb. Differential Calculus. McMahon and Snyder, Differential Calculus.

Professor Brown; 4 hours, second half-year.

IIIa. Integral Calculus. Murray, Integral Calculus. Professor Reid; 3 hours, first half-year.

IIIb. Differential Equations, elements. Analytic Geometry of Three Dimensions, the plane, straight line and quadric surface.

Professor Reid; 3 hours, second half-year.

Courses IIIa, IIIb, are required of Engineering students in their Junior year and should, in general, be taken by students electing mathematics in the Junior year.

IV. Introduction to Analytical Mechanics; including the earlier parts of dynamics and statics, the motion of a particle under any forces and the principal theorems in attractions and potential. This course is required of Engineering students in their Senior year.

Professor Brown; 3 hours.

V. Introduction to Modern Analytical Geometry.

Professor Reid; 2 hours, half-year.

VI. Introduction to the Theory of Functions. Prerequisite, IIIa.

Professor Brown; 3 hours.

VII. Differential Equations. The subject will be treated on lines similar to those of Forsyth's text-book. Prerequisite, IIIa.

Professor Brown; 2 hours, half-year.

VIII. Theory of Equations; including an introduction to the Galois theory. Cajori, Theory of Equations.

Professor Reid; 2 hours, half-year.

IX. Advanced Algebra. The following topics will in general be discussed: rational functions, determinants, symmetric functions, invariants, groups. Weber, Algebra.

Professor Reid; 3 hours, half-year.

X. Analytic Geometry of Three Dimensions. Theory of surfaces and curves in space. C. Smith, Solid Geometry.

Professor Reid; 2 hours, half-year.

XI. Fourier Series and Spherical Harmonics; including some of the simpler applications to physical problems.

Professor Brown; 3 hours, half-year.

XII. Elements of the Theory of Algebraic Numbers.

Professor Reid; 3 hours.

XIII. Theoretical Dynamics. Prerequisites, IIIa, IIIb and IV.

Professor Brown; 3 hours, half-year.

XIV. Descriptive Geometry. This course is required of Engineering students and is given in alternate years.

Professor Reid; 2 hours, first half-year.

XV. Advanced Mechanics. This course is a continuation of course IV, and it includes the methods by which the general principles of Mechanics are applied to the solution of various physical problems. Thomson and Tait, Natural Philosophy, is used as a text-book.

Professor Brown; 2 hours, half-year.

## HISTORY.

History I is required of all Freshmen. The other courses are elective for Seniors and Juniors.

I. History and Politics. This course affords a general survey of the political and constitutional development in the United States and the chief states of modern Europe. Emphasis is laid upon the elementary principles of government and upon the actual working of the governments of the United States and England. The work is conducted by means of text-books, informal lectures and collateral reading.

President Sharpless and Professor Barrett; 2 hours.

II. American History. Colonial history to 1783.

Professor Thomas; 3 hours.

III. American History. Constitutional and political history of the United States from 1783 to 1870.

Professor Thomas; 3 hours.

Courses II and III are usually given in alternate years.

They are intended to show historical development, the relation of cause and effect, and to awaken in the students a consciousness of historic proportion and a sound critical sense. The instruction consists chiefly of lectures, with required private reading, consultation of authorities, frequent reports in the lecture room on special reading, and occasional essays on assigned topics. The College Library is well supplied with reference-books and historical literature.

IV. Medieval History. This course includes a survey of the civilization of Europe at the beginning of the Middle Ages and deals with the decline of the Roman Empire; the Gothic invasion; the rise and fall of Arabian civilization; the rise and decline of Charlemagne's empire; Feudalism; the Crusades; the conflicts between the Empire and the Papacy; the Reformation.

Dr. Bolles; 2 hours.

# POLITICAL SCIENCE.

Economics I is required of all Juniors in the Arts and General Science courses. The other courses in Political Science are elective for Seniors and Juniors.

#### A. Economics.

I. Outlines of Economics. A general introduction to the subject. The greater part of the year is taken up with a study of the principles of the science, based upon Gide, Principles of Political Economy, and similar books. The latter part of the course is devoted to applications of economic principles.

Professor Barrett; 2 hours.

II. Economic History of the United States. A general survey since 1750. A study is made of the important factors in our social, industrial and commercial life leading up to our present economic status. Among the subjects considered are: colonial conditions before and after the Revolution; important measures in our financial history; the tariff policy and the growth of industries; the development of transportation facilities with special reference to the history and problems of railway and shipping; the problem of the trusts. This course may be taken with Economics I.

Professor Barrett; 2 hours.

III. Economic Problems. The labor problem and socialism. A study is made of the factory system, labor organizations, labor legislation, strikes, courts of arbitration, etc. The history of socialism and the aims and methods of socialistic organizations are investigated.

Professor Barrett; 3 hours, first half-year.

IV. Money. The ways and means of making payments and the effects produced upon prices, trade and industry. A study is made of the principles of money; bank-credit and its uses in the form of deposits and different systems of bank-note issues; paper money and the problems connected with the suspension of specie payment in the United States from 1861 to 1879; commercial crises; stock-exchanges. Conditions in the United States receive special attention. This course may be taken profitably with Economics VI.

Professor Barrett; 3 hours, second half-year.

V. Commercial Law. An exposition of the leading principles of the law relating to contracts; who can make them; what assent is needful; what consideration is required; how interpreted and enforced. Also the law relating to particular subjects: sales, carriage of goods and passengers, agency, partnership, negotiable paper, checks, guaranty, surety, payments, interest, shipping, insurance, deeds and loans, and corporations.

Dr. Bolles; 2 hours, first half-year.

VI. Banking. The practice and most important legal principles of banking; the methods of raising the capital; modes of organizing national and state banks, savings banks, trust and finance companies; the resources of a bank and the modes of lending them; the duties of its directors, president, cashier, tellers, bookkeepers and other officials; public and private examinations and audits. This course may be taken profitably with Economics IV.

Dr. Bolles; 2 hours, second half-year.

#### B. GOVERNMENT.

I. Expenditure and Revenue. A description of the mode of expending and collecting the revenues of the national and state governments. The functions of government are briefly set forth and expenditures are classified. The mode of making expenditures by the different departments of the national government is then discussed, followed by a description of the bills appropriating money. The different kinds of taxes are next considered, the principles on which the laws are based, and the modes of administering them. The expenditures and revenues of the state are treated in the same manner.

Dr. Bolles; 1 hour.

## BIBLICAL LITERATURE.

I. Greek Testament. Interpretation of a Gospel. This course is required of Sophomores who present Greek for admission.

Dr. Garrett; 1 hour.

II. Greek Testament. Interpretation of the Pauline Epistles. This course is continued through two years and is required of all Juniors and Seniors who present Greek for admission.

Professor Baker; 1 hour.

III. Biblical Literature in English. This course is similar to IV, and is a continuation of its work. It is a survey of the life and letters of Paul, brought as far as possible

into chronological connection, with some attention to his special teachings.

Dr. Garrett; 1 hour.

IV. Biblical Literature in English. This course extends through three years, and consists of a survey of the history and literature of the Bible in English from the beginnings of Hebrew history down to the close of the Apostolic age. The history and literature are brought, as far as possible, into chronological connection. As introductory to the entire course, a part of the first year is devoted to a consideration of such subjects as the Canon of the Old and New Testaments, the translations of the Bible and the history and method of the modern study of the Bible.

Professor Jones; 1 hour.

Course IV is required of all Freshmen, and of those members of the Sophomore and Junior classes who have not studied Greek. Course III is required of all Seniors who have not studied Greek.

V. The Literary Study of the English Bible. The Book of Job, with selections from the Psalms and other books, are read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere; 2 hours.

#### PHILOSOPHY.

I. Psychology. A course in general psychology. James, Psychology (briefer course), is used as a text-book, supple-

mented by lectures. A short series of lectures is also given on logic.

Professor Jones; 2 hours.

II. Interpretation of the New Testament. This course is devoted to a search for the original message of Christianity as expressed by the writers of the Gospels and Epistles. It consists of lectures, readings and theses. The work is all done in English.

Professor Jones; 2 hours, first half-year.

III. Development of Christian Thought. An examination of the great types of religious thought which have prevailed at different epochs in the history of the Church, such as the Alexandrian conception of Christianity, the Latin, the Calvinistic, and the Quaker conception. Lectures, readings and theses.

Professor Jones; 2 hours, second half-year.

IV. History of Philosophy. The chief systems of philosophy from the earliest period down to modern times. The development of theories of idealism receives especial attention. The text-books required are Weber, History of Philosophy, and Royce, Spirit of Modern Philosophy, with other reading. Lectures, discussions and theses.

Professor Jones; 2 hours.

Va. Ethics. The important ethical theories are studied historically with a view of discovering a satisfactory criterion or basis of moral action. Each student is expected to make an exposition of some one representative system.

The text-book is Muirhead, Elements of Ethics. Lectures and theses.

Professor Jones; 2 hours, first half-year.

Vb. Ethics. In this course are considered current problems of practical ethics.

President Sharpless; 2 hours, second half-year.

VI. Religious and Philosophical Movements. This course is for advanced students only, and is conducted on the seminar method. Different epochs are studied from year to year.

Professor Jones; 2 hours, in the evening.

#### ASTRONOMY.

The Haverford Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring, from actual observation, a practical acquaintance with astronomy.

It contains two equatorial telescopes, one by Clark, having an object-glass 10 inches in diameter, and one with an object-glass of 8½ inches, with filar micrometer and eye pieces; a polarizing eye-piece; a Newtonian reflector with a silver-on-glass speculum of 8½ inches diameter; a prism spectroscope; a meridian transit circle having a telescope of 3¾ inches aperture with a circle at each end of the axis 26 inches in diameter; a zenith instrument of 1¾ inches aperture, with a micrometer; two sidereal clocks, one with mercurial compensation, the other used to connect with a Bond's magnetic chronograph.

The latitude of the observatory is 40° 0′ 40.1″ north, its longitude, 7 minutes 3.08 seconds east from Washington.

I. General Descriptive Astronomy. This course is intended to make the student familiar with the fundamental facts upon which modern astronomy is based. The observatory instruments are explained and used. Some idea is given of the scope and methods of practical astronomy. The text-book is David P. Todd, New Astronomy.

F. Palmer, Jr.; 2 hours.

II. Practical Astronomy.

F. Palmer, Jr.; 2 hours.

#### BIOLOGY.

The biological laboratory is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains about two hundred biological works and zoölogical, anatomical and botanical charts.

The courses of the department are arranged so that students intending to study medicine may have every facility for preparation. Graduates who have completed the Preparatory Medical course are admitted without examination to all medical schools, and, in some of them, to the second year of their course.

Course I is required of all Freshmen through the first quarter. Course II, or Physics I, is required of all Sophomores in the Arts and Science courses.

I. Elementary Physiology and Hygiene. This course is preparatory to the general physical training required by

the College, and includes general physiology, hygiene, a brief review of human anatomy and lectures on first aid to the injured.

Professor Babbitt; 2 hours, first quarter.

II. Elementary Biology. The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants, and also to some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study and discussion of typical representatives of some of the greater groups of animals and plants. Many field excursions are taken in order to study animals and plants in their natural environment.

Professor Pratt; 4 hours.

Courses III to VII, inclusive, are elective, but must, with the exception of Course VII, be preceded by Course II.

III. Comparative Anatomy of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. This course is given in alternate years with Courses Va and Vb.

Professor Pratt; 3 hours.

IV. Morphology of Invertebrates. This course is intended for those who may wish to make a more extended study of invertebrates than was possible in Course II.

Professor Pratt; 1 hour or more, by arrangement.

Va. Histology of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course includes a microscopical study of vertebrate tissues. The student also learns the methods of microscopical technique, the preparation of the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted tissues.

Professor Pratt; 3 hours, first half-year.

Vb. Embryology of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course is devoted to the study of the embryology of the chick and of the frog.

Professor Pratt; 3 hours, first half-year.

Courses Va and Vb are given in alternate years with Courses III.

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VI. General Botany. One lecture and one laboratory period a week. The laboratory work of this course consists of the dissection and structural study of typical representatives of the principal groups of plants.

Professor Pratt: 2 hours.

VII. Evolution and Heredity. Lectures and supplementary readings. The development of the evolutionary idea is traced from the time of the Greeks to the present time, and the systems of Lamarck and Darwin and their followers are described and discussed. The growth of our knowledge

of the facts of heredity is studied and the theories of Darwin, Weismann, Mendel and others are discussed.

Professor Pratt; 1 hour.

Courses VI and VII are given in alternate years.

VIII. Human Anatomy. A general course in anatomy intended especially for preparatory medical students and prospective teachers of physical training. The department is equipped with a skeleton, a manikin, enlarged models of the eye, ear, throat, and heart, and numerous charts to aid in practical work. A complete set of individual bones, including a disarticulated skull, affords opportunity for the study of osteology. The outline includes a study of the brain and spinal cord, and, as far as time permits, a study of the eye, the ear, and the throat. The course is supplemented by attendance upon medical clinics and by occasional visits to the anatomical museums of the city.

Professor Babbitt; 2 hours.

IX. Applied Anatomy and Physiology. A course offering special work in preparation for the teaching of physical training. It may be combined with Courses VIII and X. Professor Babbitt; 2 hours.

X. Advanced Physiology. While primarily intended to fill the requirements of the Preparatory Medical course, this course is made general and is open to all Juniors and Seniors. It consists of one hour of recitation and one laboratory period a week. Suitable apparatus is provided for

practical and experimental work upon muscle and nerve preparations; examination and tests of blood and secretions; production of artificial digestion; functional study of the heart, general circulation, special senses, etc. This course may be modified to suit the needs of the course in normal physical training.

Professor Babbitt; 2 hours.

#### CHEMISTRY.

The large chemical laboratory affords opportunity for elementary or advanced special work, with ample facilities for its prosecution. The professor and his assistant are in constant attendance. The laboratory work comprises elementary experiments in general chemistry; the preparation of a number of pure compounds; qualitative or quantitative analysis, and experimental work illustrating chemical laws and theories. Chemistry I or Mathematics II is required of all Sophomores in the Arts and General Science courses. Chemistry I is required of all Freshmen in the Chemical and Preparatory Medical courses and of all Juniors in the Mechanical and Electrical courses.

I. Elementary General Chemistry. In this course students will probably have two lectures or recitations and two laboratory periods a week. The preparation, properties and uses of the more important elements and inorganic compounds are discussed in the lectures and are illustrated by experiments. In the laboratory the time is given mainly

to the preparation and study of the non-metallic elements and a few of their compounds.

Professor Hall; 4 hours.

II. Qualitative Analysis. The exercises are mainly practical, but there is, each week, at least one lecture or examination. Although the instruction is devoted chiefly to the methods of qualitative analysis, it is expected that the student will increase materially his knowledge of general chemistry by following this course.

Professor Hall; 2 hours or more, by arrangement.

III. Quantitative Analysis. The simpler gravimetric and volumetric methods of analysis are studied. The calibration of flasks and burettes is also included.

Professor Hall; 2 hours or more, by arrangement.

IV. Organic Chemistry. This course consists of lectures, recitations and laboratory work throughout the year. It will be found useful not only to those intending to become chemists, but also to students of biology and medicine.

Professor Hall; 2 hours.

V. Advanced Quantitative Analysis. This course is a continuation of Course III, but includes the analysis of silicates and other complex compounds, the examination of water, milk, butter, iron, steel, etc.

Professor Hall; 2 hours or more, by arrangement.

#### PHYSICS.

The Department of Physics occupies six rooms in the west end of Founders Hall, well arranged both for laboratory work and for lectures. The apparatus for lecture demonstrations has been carefully chosen to illustrate the principal phenomena dealt with, and the laboratory is furnished with a large number of excellent standard forms of apparatus. The department is also well equipped with the usual forms of elementary apparatus. The electrical apparatus includes several dynamos and motors, Weston and other ammeters and voltmeters, a Leeds and Northrup potentiometer, a good variety of Thomson and of D'Arsonval galvanometers, a fine Wheatstone bridge made by Elliott Brothers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light, and electric currents are obtained either from a storage battery or from a dvnamo.

The courses to be given in 1905-1906 are given below; additional courses may, however, be announced later.

I. Elementary Physics. This course is an elective with Biology in the Sophomore year. It regularly consists of three lectures or recitations and one laboratory period a week, but, at the discretion of the instructor, one of the lecture periods may be used for laboratory work. The subjects considered are mechanics, sound, heat, light, electricity and magnetism. Hall and Bergen, Text Book of Physics, revised and enlarged, is used in the class work, supplemented by Snyder and Palmer, One Thousand Problems in

Physics. Ames and Bliss, Experiments in Physics, is the laboratory manual. The lectures are accompanied by numerous experimental demonstrations. The chief aim of the laboratory work is the teaching of accurate measurement and observation in all the subjects treated.

F. Palmer, Jr.; 4 hours.

II. Electricity and Light. This course is intended to follow Course I. In general, there is one lecture and one laboratory period a week. The modern developments of electricity are briefly considered, including Roentgen rays, wireless telegraphy, and the theory of ionization as set forth in J. J. Thompson, The Conduction of Electricity through Gases. The laboratory work includes a few fundamental experiments in the measurements of currents, resistances, divided circuits, etc., and the phenomena of diffraction, polarization and measurement of the wave-length of light. This work may be somewhat altered to suit the needs of those electing the course.

F. Palmer, Jr.; 2 hours or more, by arrangement.

VI. Electricity. Elementary instruction by text-book and lectures, in electrical quantities and units; the principles of electrical measuring instruments, dynamos, motors and transformers. The course includes experiments with dynamos and motors, such as making characteristic curves, the measurement of efficiency, etc. The practical phases of electricity are considered.

L. H. Rittenhouse; 2 hours.

VII. Electricity. This course is intended to follow Course VI. It begins with laboratory experiments by the student, involving the use of refined measuring instruments and the absolute measurement of electrical quantities. It embraces also, in more detail than Course VI, the study of the design, construction and operation of dynamos, direct and alternating; the theory of the transformer; the transmission of electrical energy; the modern applications of the electric current. The practical phases of electrical engineering, such as the wiring of buildings, the installation of electrical machinery, etc., are taken up as far as time permits.

L. H. Rittenhouse; 2 hours or more.

#### GEOLOGY.

I. Elementary Geology. A discussion of the general principles of the science, Le Conte's Geology being used as a text-book. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

Professor Pratt; 2 hours.

# ENGINEERING.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The entire equipment is new and of the best quality. The wood-working room affords accommodation for fourteen students. The benches are provided with quick-action vises and a complete set of carpenter's tools for each student. This shop contains a 36" band saw and four wood lathes. The iron-working room contains a 24" x 12' Blaisdel engine-lathe and three smaller engine-lathes; a 24" x 24" x 6' planer; a Becker-Brainard universal milling machine; a Gould and Eberhardt 16" shaper; two drill presses; several vises, and complete sets of machinist's tools for bench work. Steam engine indicators and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for engine and dynamo testing. The third story of the building is devoted to drawing and is a large and well-lighted room.

The instruction begins with a series of graded exercises which teach accuracy in the use of tools and illustrate the principles of machine construction. This is followed by practice in the construction of parts of machinery and the building of complete machines.

The students are taken, from time to time, to visit machine-shops and engineering constructions in Philadelphia and vicinity.

Students in Engineering spend at least five hours a week for three years in the shop, and students in Electrical Engineering five hours a week for two years. In addition the following technical mechanical courses are given. For the corresponding electrical courses, see under Physics.

Ia. Steam Engineering. A study of the construction of modern steam engines, boilers, condensers, pumps, etc.,

followed by the thermo-dynamic principles involved in the operation of the steam engine.

L. H. Rittenhouse; 2 hours, first half-year.

Ib. Materials of Construction. A study of the materials employed in engineering constructions, including the manufacture and properties of iron in all its commercial forms of cast iron, steel and wrought iron; the making of alloys; the strength, elasticity and ductility of metals; the strength of timbers, shafting, girders, trusses, etc.

L. H. Rittenhouse; 2 hours, second half-year.

IIa. Descriptive Geometry. [Mathematics XIV.]
Professor Reid; 2 hours, first half-year.

IIb. Elements of Mechanism. A study of the mechanical movements employed in machinery; various methods of transmitting and transforming motion; a detailed study of the teeth of wheels. This course includes a series of problems in invention to be solved by the student.

L. H. Rittenhouse; 2 hours, second half-year.

III. Practical Mechanics. This course extends through four years for engineering students. It begins with simple exercises in wood-working, embracing sawing and planing, and progresses through graded exercises in joinery of all kinds, turning and pattern-making. One year is usually spent in this department, unless the student has previously had practice in wood-working.

The iron-working is begun regularly at the beginning of the Sophomore year. Bench work in filing, chipping and scraping occupies about one year. A considerable degree of skill is required in this work, as it is the most valuable part of the course in training hand and eye for accurate mechanical work.

The remaining two years are devoted to the use of the various machine tools in executing a series of graded exercises, and, finally, in the construction of a complete machine such as a lathe or engine.

L. H. Rittenhouse and assistants; 2 hours or more, by arrangement.

IV. Mechanical Drawing and Machine Design. A course beginning with the elementary projection of solids and complicated intersections, and embracing the design of plain and bevel gear wheels (cycloidal and involute), worm gearing, the Stephenson link motion for reversible steam engines, etc. The course concludes with the design of a steam engine or a gasoline motor, and complete detail drawings of all working parts. Students in Mechanical Engineering spend at least five hours a week for four years in the drawing room, and students in Electrical Engineering five hours a week for two years.

O. M. Chase; 2 hours or more, by arrangement.

## PHYSICAL TRAINING.

The new Gymnasium contains a main floor, sixty by ninety feet, abundantly equipped with the most improved American and Swedish gymnastic appliances and circled by an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the director in physical examination and measurement. These rooms may be further utilized for special work by students taking advanced courses in anatomy and physiology, preparatory to medicine, and by those electing normal courses in physical training. Adjoining the main hall is located a large and comfortable reading room. Above are a trophy room and apartments for the use of the alumni.

The following periodicals are taken by the Reading Room:—

American Cricketer.
American Gymnasia.
Collier's Weekly.
Cosmopolitan.
Field and Stream.
Golf.
Harper's Weekly.

Horseless Age.

Illustrated Sporting News.
Judge.
Life.
London Graphic.
McClure's Magazine.
Outing.
Success.

The basement contains dressing-rooms, a number of well-ventilated lockers, shower-baths and a swimming pool. There is also a special dressing-room for the use of the faculty and visiting athletic teams, and a double bowling alley.

A thorough physical examination is given to all students upon entrance, and another at the end of the Sophomore year. They must be physically eligible before representing the College upon football, gymnasium or athletic teams.

The work of the department begins with a course of lectures upon anatomy, physiology and hygiene, given to the Freshman class during the first quarter of the college year. This is followed by systematic gymnastic drill during the two succeeding quarters, four periods a week.

A similar course of three periods a week is required during the Sophomore year and elective courses are open to Seniors and Juniors.

The student must take one of the following courses:

- I. A course in modified Swedish educational gymnastics.
- II. A course in general light and heavy gymnastic work.
- III. Regular practice with the candidates for the College gymnastic team, for entrance to which gymnastic ability and physical qualifications are requisite.

For additional courses in anatomy and physiology, see pages 52-56.

#### THE LIBRARY.

The College Library now contains over forty-six thousand volumes, besides numerous pamphlets. It is arranged with the object of making it especially useful as a library of reference. The students have free access to the shelves and the Librarian and his assistants are, at all times, ready to give aid to students and readers.

About eighteen hundred dollars are expended yearly for the purchase of books and periodicals. The library is a regular depository of the United States Government, and several hundred volumes of publications are annually received.

The following literary and scientific periodicals are taken:

Acta Mathematica.
Advocate of Peace.
American Friend.
American Historical Review.
American Journal of Archæology.
American Journal of Mathematics.
American Journal of Religious Psychology.
American Journal of Theology.
American Journal of Philology.
American Journal of Science.
American Machinist.
American Naturalist.

Anglia.
Anglia Beiblatt.
Annalen der Physik.
Annals of American Academy.
Annals of Mathematics.
Archiv für lateinische Lexicographie.
Astronomical Journal.
Astronomische Nachrichten.
Astrophysical Journal.
Athenæum.
Atlantic Monthly.
Australian Friend.
Banner and Herald.
Beiblätter für die Annalen der

Physik.

Beiträge zur Geschichte der deutschen Sprache und Litteratur.

Biological Bulletin.

Bird Lore.

Bookman.

British Friend.

Bulletin Astronomique.

Bulletin des Sciences Mathématiques.

Bulletin of American Mathematical Society.

Bulletin of the Department of Labor.

Bulletin of Bibliography.

Cassier's Magazine.

Catalogue of U. S. Public Documents.

Century Magazine.

Chicago Banker.

Classical Review.

Columbia University Quarterly.

Commercial and Financial Chronicle.

Comptes Rendus de l'Académie des Sciences.

Congressional Record.

Consular Reports.

Contemporary Review.

Critic.

Cumulative Index.

Department of Labor Bulletin (New York).

Dial.

Drexel Institute Bulletin. Economist (London).

Educational Review.

Electrical World.

Electrician.

Electrochemical and Metallurgical Industry.

Englische Studien.

English Catalogue of Books.

Experimental Station Record.

Expositor.

Expository Times.

Forum.

Forest Leaves.

Fortschritte der Mathematik.

Friend (London).

Friend (Philadelphia).

Friendly Messenger.

Friends' Intelligencer and Journal.

Friends' Missionary Advocate.

Friends' Quarterly Examiner. Good Government.

Good Government.

Harper's Magazine. Harper's Weekly.

Hartford Seminary Record.

Harvard Graduates' Magazine.

Herald of Peace.

Hibbert Journal. Independent.

Indian's Friend.

International Journal of Ethics.

Jahresbericht über d. Fortschritte d. Klass. Altertumwissenschaft, und Beiblätt.

Johns Hopkins University Circulars.

Johns Hopkins University Studies in History, etc.

Journal of the American Chemical Society.

Journal of the Chemical Society.

Journal de Mathématiques.

Journal of Philosophy, Psychology, etc.

Journal of Political Economy.

Journal of the Franklin Institute.

Journal of the Friends' Historical Society.

Journal of English and Germanic Philology.

Journal of Experimental Zoology.

Journal für die reine u. angewandte Mathematik.

Journal of the Society of Chemical Industry.

Library Journal.

Literary News.

Literaturblatt für germ. u. rom. Philologie.

Living Age.

Lower Merion News.

Mathematische Annalen.

Messenger of Peace.

Mind.

Missionary Review.

Modern Language Notes.

Modern Language Review.

Modern Philology.

Monthly Notices of Royal Astronomical Society.

Monthly Summary, Commerce and Finance.

Nation.

National Geographic Magazine.

Nature.

New York Observer.

Nineteenth Century and After. North American Review

Official Gazette of the U.S. Patent Office.

Outlook.

Pedagogical Seminary.

Pennsylvania Magazine.

Philosophical Magazine.

Philosophical Review.

Political Science Quarterly.

Popular Science Monthly.

Princeton University Bulletin.
Proceedings of the Academy of
Natural Science.

Proceedings of American Antiquarian Society.

Proceedings of American Philosophical Society.

Proceedings of the Society for Psychical Research.

Psychological Review.

Publishers' Weekly.

Publications of the Modern Language Association.

Quarterly Journal of Economics.

Quarterly Journal of Mathematics.

Quarterly Review.

Review of Reviews (American).

Revue des Deux Mondes.

Rheinisches Museum für Philologie.

Romania.

Schwenkfeldian.

Science.

Science Abstracts.

Scientific American.

Scientific American Supplement.

Scribner's Magazine.

Smithsonian Miscellaneous

Collections.
Sound Currency.

Southern Workman.

Spectator.

Transactions of the American Mathematical Society.

University Record (Chicago University).

War or Brotherhood.

Wochenschrift für klassische Philologie.

World's Work.

Yale Alumni Weekly.

Yale University Bulletin.

Zeitschrift für Anorganische Chemie.

Zeitschrift für Physikalische Chemie.

Zoologischer Anzeiger. Zoologisches Zentralblatt.

The Library is open from 8.30 A. M. to 6 P. M. While designed especially for the use of the officers and students, others have the privilege of consulting, and, under certain restrictions, of withdrawing books.

The Library is under the charge of Allen C. Thomas, Librarian.

# PUBLIC LECTURES, 1904-1905.

#### HAVERFORD LIBRARY LECTURES.

Three lectures by the Hon. David J. Brewer, Justice of the United States Supreme Court:

"The United States a Christian Nation."

Second month 9, 1905.

"The United States a Christian Nation. Our Duty as Citizens."

Second month 10, 1905.

"The United States a Christian Nation. The Promise and Possibilities of the Future."

Second month 15, 1905.

# THE THOMAS SHIPLEY LECTURES ON ENGLISH LITERATURE.

"Benjamin Franklin," by Dr. Albert H. Smyth, of the Central High School, Philadelphia, Pa.

First month 16, 1905.

"Edmund Spenser," by Professor George Edward Woodberry.

Second month 7, 1905.

By permission of the College, the following lectures before the "Cercle Française de Haverford" were delivered in Roberts Hall: "Causerie sur Michelet," by Ch. V. Langlois, Professeur d'Etudes Historiques à la Sorbonne.

Tenth month 28, 1904.

"Les Paysans," by M. Xavier Koenig, Professeur à l'Université de Bordeaux.

Eleventh month 15, 1904.

"La Bastille" (illustrated), by M. Funck-Brentano, Librarian of the Arsenal Library, Paris; Custodian of the Records of the Bastille; President of the Society of Historical Research.

Twelfth month 20, 1904.

"Un Voyage au Caucase" (illustrated), by Paul Hagemans, Belgian Consul General to the United States.

First month 24, 1905.

"Chateaubriand en Amérique," by Professor Lucien Foulet, of Bryn Mawr College.

Second month 24, 1905.

"La Séparation de l'Église de l'État," by Jean Charlemagne Bracq, Professor of French in Vassar College.

Fifth month 5, 1905.

# OTHER LECTURES.

Haverford College was visited by the foreign delegates to the Boston Peace Conference, and a public meeting in Roberts Hall was addressed by J. G. Alexander, Secretary of the International Law Association; by Rabbi Fleischer, of Boston; by Signor Moneta, of Italy; and by W. Evans Darby, Secretary of the English Peace Society.

Tenth month 14, 1904.

A lecture by Pastor Charles Wagner, of Paris, France. Eleventh month 21, 1904.

A meeting held under the joint auspices of the City Parks Association of Philadelphia, and the Campus Club, of Haverford College, was addressed by Andrew Wright Crawford, Secretary of the City Parks Association; by Leslie W. Miller, Principal of the School of Industrial Art, Philadelphia, and Chairman of the Central Committee for a Comprehensive Park System; and by Alden Sampson, United States Game Preserve Expert. The addresses of Andrew Wright Crawford and of Leslie W. Miller were illustrated.

Twelfth month 14, 1904.

"A Roman Theatrical Performance," by Kirby Flower Smith, Ph. D., Professor of Latin in Johns Hopkins University. Lecture delivered under the auspices of the Classical Department.

Third month 24, 1905.

"The Age of Discoveries" (with specific reference to the Revival of Learning in Italy), by Dr. John Edwin Sandys, Fellow and Lecturer of St. John's College, and Public Orator in the University of Cambridge, England. Phi Beta Kappa Oration delivered under the auspices of the Zeta Chapter of Pennsylvania.

Fourth month 13, 1905.

## GRADING OF STUDENTS.

Students are classified, according to their grades, into five sections, A, B, C, D, E. Each student is notified of the section to which he has been assigned, but the grades

are not published. Section E is composed of those who cannot be advanced to the next class. No student is permitted to graduate if his combined average for the Junior and Senior years is below grade C. Daily recitations, hourexaminations and final examinations are all employed in determining the standing of a student.

# ADVANCED DEGREES.

Graduates of Haverford College of three years' standing may take the degree of Master of Arts or of Master of Science by passing an examination on some literary or scientific course of study which shall have received the approval of the Faculty. Such a course must be equivalent to one year's uninterrupted study.

Candidates who are examined may also be required to hand in dissertations on topics in the field of study which they have specially investigated.

Resident graduates, who have completed an adequate course of study, may be admitted to an examination for a second degree at the expiration of one or two years.

Notice of application for examination must be given to the President two months before Commencement. The examination for non-residents will be held during the last week in Fifth month. The fee for the Master's diploma is twenty dollars, to be paid in all cases before the 1st of Sixth month.

Adequate courses of study for the Master's degree will be arranged on application to the President.

# ROOMS.

A student who continues in the College may retain the room he already occupies. The vacant rooms are assigned by lot, the upper classmen having first choice. About one-fourth of the rooms in Merion Cottage will be reserved for Freshmen. New students may select rooms in the order of entry. For this purpose they must fill certain blanks to be had on application to the President of the College. Signatures to these blanks are considered to bind the students, unless they are refused by the College for failure in examination or other cause.

### EXPENSES.

The charge for tuition, board and room-rent varies with the location of the rooms from \$350 to \$575 a year.

Accommodation for students is furnished at different rates, as follows:

 Merion Cottage,
 21 at \$350 each.

 " " 4 at \$400 each.

 Founders Hall,
 10 at \$400 each.

 Barclay Hall,
 6 at \$400 each.

 " " 26 at \$450 each.

 " " 53 at \$500 each.

 Lloyd Hall,
 16 at \$575 each.

The rent of rooms includes steam heat, electric light, necessary bed-room furniture and care of rooms. Students will supply their own study-room furniture, also towels and table napkins.

The charge for tuition is one hundred and fifty dollars a year; for tuition and mid-day meal, two hundred dollars a year.

Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills. Materials consumed and breakage in the laboratories are also charged.

Bills for board and tuition are payable, three-fifths at the beginning, and two-fifths at the middle of the college year.

#### SCHOLARSHIPS.

- I. Senior Foundation Scholarships. Five scholarships of the annual value of \$300 each are offered to graduates nominated by the Faculties of Earlham, Penn, Wilmington, and Guilford Colleges and Friends' University.
- II. I. V. Williamson Scholarships. Three scholarships covering all expenses of board and tuition.
- III. Richard T. Jones Scholarship. One scholarship covering all expenses of board and tuition.

II and III are so arranged that one is usually vacated each year and awarded to a Freshman.

IV. Corporation Scholarships. Sixteen scholarships of the annual value of \$300 each will be awarded after competitive examination. They are open to all applicants.

Candidates for these scholarships in the Freshman class are usually asked to answer certain questions not required of other applicants for admission. The award for the following college year is made after the Sixth month examinations of each year. Candidates in the higher classes are

selected each year from those highest on the grade list in the preceding year. Four scholarships are given to each class.

V. Edward Yarnall Scholarship. One scholarship of the annual value of \$200. Open only to Friends.

VI. Thomas P. Cope Scholarship. One scholarship of the annual value of \$200. Open only to Friends who intend to teach.

VII. Sarah Marshall Scholarship. One scholarship of the annual value of \$200.

VIII. Mary M. Johnson Scholarship. One scholarship of the annual value of \$200.

IX. Day Scholarships. Eight scholarships of the annual value of \$100 each.

X. Tuition Scholarships. Twenty-four scholarships of the annual value of \$150 each. One of these may be nominated by the Lower Merion High School for the Freshman year only.

XI. Alfred Smith Scholarship. One scholarship given on competitive examination to a candidate for the Freshman class who is of German-American parentage. The annual value is \$400. It may be held for four successive years if the work of the recipient is satisfactory, and may also be followed by a fellowship of \$500 for one year in Harvard University.

All scholarships are given for one year only, but they may be renewed by the College (except I) if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

Except IX and a few of X all scholarships involve residence at the College.

# FELLOWSHIPS.

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

On the same foundation are offered, yearly, two fellowships of \$300 each, called Teaching Fellowships, involving certain duties at Haverford College. They are construed to cover all the charges for tuition, rooms and board.

# PRIZES.

Alumni Prizes for Composition and Oratory.

The Association of the Alumni, in the year 1875, established an annual prize of \$50, either a gold medal or an equivalent value in books with a bronze medal, for excellence in composition and oratory.

The following are the rules governing the competition:

I. The Alumni medal is offered yearly for competition amongst the members of the Senior and Junior classes, as a prize for the best delivered oration prepared therefor.

II. Three or five judges shall be appointed from year to year by the Alumni Committee, who shall hear publicly, in Roberts Hall, all competitors who may be qualified to appear.

III. No oration shall occupy in delivery more than fifteen minutes. IV. In making the award, while due weight is to be given to the literary merits of the oration, the judges are to consider the prize as offered to encourage more especially the attainment of excellence in elocution.

V. The judges shall have the right to withhold the prize if the elecution and the literary merits of the oration fall below a creditable standard of excellence.

# The Everett Society Medal.

This silver medal is offered by the donor to the members of the two lower classes for composition in oratory. It is given in memory of the old Everett Society.

# John B. Garrett Prizes for Systematic Reading.

Four prizes worth \$40, \$30, \$20 and \$10 respectively, will be given in books to those members of the Junior class who, having creditably pursued their regular studies and paid proper attention to physical culture, shall have carried on the most profitable course of reading in standard authors during the Sophomore and Junior years.

The direction of the work and the award of the prizes shall be in the hands of a committee consisting of the President, the Librarian and the Professor of English.

There will be an oral examination to determine the scope and quality of the reading, and a thesis treating of subjects embraced in the course will be required.

Any or all of these prizes may be omitted if, in the judgment of the committee, the work does not justify an award.

The Class of 1896 Prizes in Latin and Mathematics.

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year for proficiency in Latin and Mathematics respectively.

# The Class of 1898 Prize in Chemistry.

The Class of 1898 offers a prize of \$10 in books to the member of either the Senior or the Junior class, who, in the judgment of the professor in charge, shall have done the most thorough and satisfactory work during the year in the laboratory, and in oral and written examinations.

The prize will not be awarded twice to the same student.

# HONORS.

For the purpose of honors, studies are divided as follows:

- a. Literary group: the Greek, Latin, German and French languages, English literature, history, philosophy and political science.
- b. Scientific group: astronomy, biology, chemistry, engineering, mathematics and physics.

Candidates for honors shall elect from any two studies in one of these groups at least five hours a week during the Junior year, and eight hours a week during the Senior year, and shall announce their candidacy at the beginning of the Junior year.

Highest Honors and Honors may be given, dependent on the judgment of the professor in charge. The decisions will be based on special examinations, or on the character of the daily work. General Honors are awarded for a general average of ninety per cent., or over, during the Senior and Junior years.

Honors will be announced at Commencement and in the succeeding catalogue.

#### SOCIETIES.

The Loganian Society was established by the officers and students in 1834, and now includes three departments,—a Scientific Department which holds meetings for the reading of papers, the presentation of reports, and the discussion of such topics as may be suggested by its members; a Debating Department; and a Civics Department for the discussion of political and economic questions.

A flourishing branch of the Young Men's Christian Association, organized in 1879, has a membership embracing three-fourths of the students.

A chapter of the Phi Beta Kappa Society was established at the College in 1898.

The Campus Club is an organization of the faculty, students and other friends of the College for promoting the study and preservation of trees, shrubs, birds and wild animals on the college property.

# PERIODICALS.

Haverford College Bulletin. Five publications for the collegiate year in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

The Haverfordian, founded in 1879, is published monthly by the students during the college year.

# DEGREE,S PRIZES AND HONORS GRANTED IN 1905.

At the Commencement in 1905, degrees were granted after examination to the following graduates:

#### MASTER OF ARTS.

Howard Haines Brinton, A. B. (Haverford College). Charles Christopher Morris, S. B. (Haverford College). Carlino Linn Seiler, S. B. (Haverford College). Carlos Noyes Sheldon, A. B. (Haverford College). Edgar Thomas Snipes, S. B. (Guilford College), A. B. (Haverford College).

Ralph Waldo Trueblood, S. B. (Earlham College). William Mintzer Wills, A. B. (Haverford College).

#### BACHELOR OF ARTS.

Adelbert Owen Andrew Paul Jones Sydney Morris Boher Charles Smith Lee Effingham Cock Murray Benjamin Harold Cates Harold Holmes Cookman Frederick William Ohl Henry Greer Cox Edmund Converse Peirce Benjamin Eshleman William J. Reagan Ernest Mervyn Evans Leslie Birchard Seely Charles Worley Fisher Marion Bruner Seevers Montgomery Ward Fleming Manning James Smith Harold William Jones Sigmund Gottfried Spaeth

Lyndon Lea White

#### BACHELOR OF SCIENCE.

Charles Allison Alexander Maurice Jefferis Babb Thomas Menroy Bales Charles Stone Bushnell Thomas Stalker Downing Arthur Haddon Hopkins Joseph Howard Morris Ralph Lincoln Pearson
Albert Glyndon Priestman
Elias Ritts
Herman Kroberger Stein
Elliot Kays Stone
Chester Jacob Teller
Howard Pitner Thomas

#### FELLOWSHIPS.

The Clementine Cope Fellowship (\$500) for 1905-1906 was awarded to

Frederick William Ohl

Two Teaching Fellowships (\$300 each) for 1905-1906 were awarded to

Sigmund Gottfried Spaeth Chester Jacob Teller

#### PRIZES.

The Alumni Prize in Composition and Oratory (\$50 in books) was awarded to

Chester Jacob Teller

The Everett Society Oratorical Medal for Sophomores and Freshmen was awarded to

Thomas Charles Desmond
Honorable Mention.....Donald Cornog Baldwin

The John B. Garrett Prizes (in books) for Systematic Reading during the Sophomore and Junior years were awarded to

The Class of 1898 Prize in Chemistry (\$10 in books) for Seniors or Juniors was awarded to

Paul Jones

### HONORS.

The following Seniors were elected to the Phi Beta Kappa Society.

Frederick William Ohl Chester Jacob Teller
Edmund Converse Peirce Sigmund Gottfried Spaeth
Paul Jones Ernest Mervyn Evans
Charles Worley Fisher

General Honors (an average of 90 per cent., or over, for the Junior and Senior years) were awarded to

Frederick William Ohl Edmund Converse Peirce

Honors in Particular Departments were granted as follows.

Honors in Greek and Latin... Frederick William Ohl
Honors in German and English Sigmund Gottfried Spaeth
Honors in Philosophy and Sydney Morris Boher
English ..... Ernest Mervyn Evans
Honors in English ..... Charles Worley Fisher
Honors in Mathematics and
Engineering ..... Edmund Converse Peirce
Honors in Political Science Paul Jones
and Philosophy ..... Chester Jacob Teller

Honors in Biology and

Chemistry ..... Leslie Birchard Seely Honors in Engineering . . . . . . . Herman Kroberger Stein

### Corporation Scholarships.

These \$300 scholarships are awarded annually to the four students in each class having the highest average scholarship for the year. In some cases the money is applied, at the option of the holder, to students of greater financial need, the original recipient retaining the honor.

Holders of Corporation Scholarships for the collegiate year 1905-1906.

### Class of 1906

Thomas Kite Brown, Jr. Walter Carson

Richard Lucius Cary Roderick Scott

### Class of 1907

Donald Cornog Baldwin James Phineas Magill Harold Evans

George Hallock Wood

### Class of 1908

Howard Burtt Thomas Charles Desmond

Morris Albert Linton Carl Forse Scott

### Class of 1909

Charles Edward Marsh Richard Henry Mott

Mark Herbert Carver Spiers Robert Lindley Murray Underhill



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HAVERFORD, PA

# HAVERFORD COLLEGE BULLETIN

Vol. IV. Fourth Month, 1906 No. 3

- 1. Alumni Poem, by Thomas Wistar
- 2. The Haberford Policy, by Isaac Sharpless



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894

### HAVERFORD ALUMNI POEM.

[Verses written for the annual dinner of the Alumni Association of Haverford College, Second Month 16th, 1906, and read by Samuel R. Shipley.]

I.

We are not many—We who stand The sons of Haverford to-day, And fewer yet the poet-band, That barely fills the rare demand, To add the tribute of a lay, To help to while an hour away.

We are not many, nor as old,
Or famed, as other schools may be;
Scarce four-score years, less five, enfold
The utmost tale that can be told,
Of struggle and of victory
That mark our noble history.

But years and numbers—what are they Without the living fruitage fraught? Achievement only gilds the day And crowns with glory—or decay; And older, larger fields, less wrought, Lay smaller claim to serious thought.

II.

We love to scan thy modest past,
Dwell on the living and the dead,—
The precious dead whose virtues last.
We will not name them. They are cast—
If not in costly brass—instead,
In grateful hearts they taught and led.

But no,—dear Harlan we must name!
His purity was like the stars
He loved. Of firm but gentle frame—
No more—my words are lame.
Half praise the loving spirit jars,
And love the willing pen debars.

His ashes 'neath the box-tree rest,
We planted where we laid him low;—
No more by cruel pain distressed,
No more by ceaseless toil oppressed;
And once again I hope to know
That faithful friend of long ago.

We love to linger in thy shade,
To wander in thy Academe,
To feel our restless spirits laid,
Where once we loitered, laughed, and prayed;
Again once more a boy to seem,
And be the better for the dream.

And, Haverford, we ask of thee,—
Despite the clamor of the day,
That yields to sports of low degree,
First place in college rivalry,—
Put scholarship above mere play,
And let true culture hold the sway!

Do not inflate the youthful mind
With boastful feats of legs and arms;
Let thy ambition, more refined,
Aspire to see thy sons inclined
To seek the higher lore that charms,
And spurn the rude excess that harms.

### IV.

If youth, with older eyes, could see
The fruitful sheaves that round them lie,
And what the sure reward must be
Of brave, untiring industry,
How quickly careless ease would fly,
And aspiration reach the sky!

Those college days, those college days,
What radiant tints their memory throws,
Like golden gleams of sunset rays,
That ever charm the backward gaze,
And make thrice blest each one who knows
The priceless boon that with them goes!

So while around thee shines the bloom Of youth, compared with older Halls, We bless the day that gave thee room, And set thy candle in the gloom— A living light from out thy walls, To cheer the soul, what'er befalls,

THOMAS WISTAR, Class of '58.

### THE HAVERFORD POLICY

### BY PRESIDENT ISAAC SHARPLESS

Conclusion of Address at the Alumni Dinner, Second Month 16th. 1906

The ideals which some of us have had for a long time seem nearer realization than ever before, and a fine spirit of quiet but determined loyalty among the Alumni points to better things than were possible a few years ago. I do not wish Haverfordians to have any cramped views as to what our college should be. Nothing less than a unique institution will satisfy some of us. If you wish to see the direction in which the college will develop scan below the surface the development of the past few years. To some of you it may seem to be mainly a growth in numbers and in buildings. But if so you have missed the main point. When a college measures its standards by numbers and buildings it is not a great college. If its efforts are confined to noisy advertising through ball games, theatrical shows, popular lectures, and other means to attract the public without adding to its real opportunities for education in its fullest sense, it is not in the line of the best development. It is not as we want to go. We need fitting and necessary halls, and we are gradually securing them. We need athletic and social opportunities, and we have them, probably quite as much as, in a general way, any of us desire. At any rate, we have in our location and our grounds the physical possibilities to do anything in these lines. But if you ask me what has been at the basis of our recent development, the root from which, directly and indirectly, it has proceeded, I should say that it was the quality of our teaching force, and herein lies the key to the future.

We must aim to have a faculty as good, man for

man, as any to be found in the upper positions of the best universities. As you think of it this may seem to you an audacious proposition. Would a small college be able to command and hold such a faculty? This is the experiment we have been trying, and so far as we have gone it is solved affirmatively. We have found that some such men will stay with us. It means more than salaries. It means favorable conditions. It means time and opportunity for study. It means reasonable academic freedom. It means certain surroundings. It means meeting the conditions demanded by that rather exacting and difficult body of men, the men who are scholars.

I would not wish to have it inferred that a scholar is all that we want at Haverford. I would not take many of the scholars at our universities if I had the choosing to do and could get them. We want influential men. Of course they must be scholars, but we all know there are as many variations in the ranks of scholars as in birds. Some are impossible socially. They are rough, vulgar and unpleasant. Some are impossible morally, preferring recreations and conversation which would destroy any charms their scholarship would have. Some are weak creatures in character—intellectually strong, but characterless-uninfluential. Some have religious conceptions which would militate against the spirit and ideals of Haverford. Some would hold that their devotion to research is dominant, and that teaching and influencing young men is only a necessarily evil concomitant of the position. All of these would cut out nine-tenths of possible candidates, but if we had the means to rake the country I am sure we would find enough of the right sort, each of which—to use the language of another would leave a luminous trail pointing to Haverford,

and would advertise in the best sense our college to the country.

Now it is only a question whether this will be done—gradually or at once—soon or late. It, of course, does not mean clearing out our present excellent faculty, or any striking revolution. It means a policy to be lived up to whenever circumstances permit.

But think what it would do for the college. It would differentiate it immediately from any other institution in the land. For most places, when they get ahead financially, add departments and keep as poor as ever, or if they do not get money, remain small because no students will go to them. But here we would have a college giving the best that could be had of education in the United States, with all the valuable influences that come from a moderate number in close contact with the strongest men of the country. We would have a college with an atmosphere charged with intellectual, moral and social aspirations —a college every one of you, of course, would value, but which a multitude of the careful fathers and thoughtful boys, now strangers to us, would also value. Numbers would trouble us no more. We could make them what we chose. We would take such and such only as we wanted. We would not race with anybody else. We would use even our football games as healthy recreations, regardless of their advertising effect. We would have sport for sport's sake—as, indeed, we have now—and could always win or lose with honor.

Such is the program for Haverford along which we think we will work. We see the plan clearly. We have finished experimenting. We shall go ahead as we have resources. How much is needed? You may smile at the reckless dreamer when he says a million dollars in ad-

dition to what we have now. One-fifth of this should go for buildings; the rest for \$100,000 professorships. The mere statement of a goodly number of professorships thus endowed would in itself be the making of the new Haverford, which would be only a development of the present Haverford. One-half of it should come from the sale of the land in West Philadelphia as soon as it can be marketed. The other half should come—I do not know whence. The sooner it comes, the sooner will arise the new conditions, on the firm organic basis of the old college, carrying out its traditions and principles, but leading in a movement which will not be an experiment to prove that quality is worth more than numbers, and that the best is none too good for Haverfordians.



# HAVERFORD COLLEGE BULLETIN

VOL. IV.

SIXTH MONTH, 1906.

No. 4.

## Athletic Humber

1905-1906



Published by Haverford College, Haverford, Pa.
Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



# Haverford College Athletics

1905 - 1906



Edited in the Interest of Haverford Athletics, by

JAMES A. BABBITT, M. D.

Director of the Physical Department



HE Season of 1905-6, from an athletic point of view, has been a strong and healthy one.—A season not altogether victorious, but always characterized by true Haverfordian sportsmanship.

There has been a more general participation in athletics and a constant enthusiasm in each department.

The purpose of this volume is simply to preserve the records of the year.

JAMES A. BABBITT.

Haverford, June 10, 1906.

## College Athletic Association

J. D. Philips, '06—President

F. D. Godley, '07-Vice-President

H. G. Pearson, '07—Secretary

C. H. RHOADS, '93-Treasurer

### Departments

### Foot Ball

W. CARSON, '06-Chairman

S. J. GUMMERE, '07-Vice-Chairman

R. J. SHORTLIDGE, '06-Manager

M. H. MARCH, '07—Assistant Manager

A. T. LOWRY, '06-Captain

### Gymnasium

J. T. FALES, '06-Chairman

A. N. WARNER, '07-Vice-Chairman

F. G. SHELDON, '06—Manager

W. R. ROSSMAESSLER, '07—Assistant Manager
T. K. Brown, Jr., '06—Captain

### Track

T. K. Brown, Jr., 'o6—Chairman

P. W. Brown, '07-Vice-Chairman

A. K. Smiley, Jr., '06—Manager.

E. R. TATNALL, '07—Assistant Manager

J. D. PHILIPS, '06—Captain

### Cricket

J. D. PHILIPS, '06—Chairman

A. E. Brown, '07-Vice-Chairman

F. D. Godley, '07-Manager

W. B. WINDLE, '07—Assistant Manager

H. W. Doughten, Jr., 'o6-Captain

## Joint Committee on Athletics, 1905-06

### Alumni Members

J. W. SHARP, Chairman

Dr. T. F. Branson

Dr. J. A. Lester

W. C. Lowry

C. J. RHOADS

J. H. Scattergood

Dr. F. B. Jacobs

C. C. Morris

A. M. Collins

### Faculty Members

PRESIDENT ISAAC SHARPLESS
DR. JAMES A. BABBITT

### Undergraduate Members

A. T. Lowry

R. J. SHORTLIDGE

J. D. PHILIPS

A. K. SMILEY, JR.

T. K. Brown, Jr.

F. G. SHELDON

H. Pleasants, Jr.

H. W. DOUGHTEN, JR.

F. D. Godley

E. F. Jones

M. H. MARCH





## Regulations for the Wearing of College Emblems

The following is the report of the committee authorized by the Athletic Association on December 6, 1904, to collect the regulations governing the awarding of the college and class emblems as revised to date—February 16, 1905:

FIRST. All committees for awarding college emblems shall be held responsible to the Athletic Association.

Second. The cricket colors shall consist of the cricket sweater, the scarlet and black striped blazer and cap, and the scarlet and black sash. The cricket sweater shall be white, with low neck and a lower waistband of scarlet and black, one and one-half  $(1\frac{1}{2})$  inches wide, and shall have on the breast a scarlet Cricket H. Cricket H shall be a block letter H four and a half  $(4\frac{1}{2})$  inches across the top and five (5) inches in height.

The cricket colors shall be worn by the members of the first eleven of any year, when such members are formally given their colors by the Ground Committee of the Cricket Club.

THIRD. The foot ball colors shall be awarded after the last game of each season by the captain, manager and chairman of the foot ball department. These men may select any number up to fourteen players, including the captain, who shall be entitled to wear the foot ball H.

The foot ball sweater shall be red, with black neck, wristlets, and waistband. The foot ball H shall be a black block letter H six (6) inches across the top and seven and a half  $(7\frac{1}{2})$  inches in height. The wristlets and waistband shall each be three and one-half  $(3\frac{1}{2})$  inches in width.

The foot ball jersey shall be as follows: A black body with striped sleeves, a scarlet neck, and a scarlet waistband. The stripes, one (1) inch in width, shall be alternate scarlet and black. The H shall be a scarlet block letter four and one-half  $(4\frac{1}{2})$  inches in width and five (5) inches in height.

The foot ball cap shall be a plain black cap, with scarlet H. F. B. T. The men who have been awarded the foot ball emblem shall have the option of receiving either the sweater or the jersey and cap.

Men who are not entitled to wear the foot ball emblem shall not appear with the foot ball H on any sweater, nor shall they wear the scarlet and black striped stockings, foot ball jerseys or caps, except upon the foot ball field.

FOURTH. The track emblems shall be awarded by the captain, manager and chairman of the track department, and shall be worn only by men winning a point in the intercollegiate scratch contest, except in dual meets, when the winners of first place only shall receive the track H.

The track uniform shall consist of a white sleeveless jersey with a black bar letter H on the breast. (This H shall be three (3) inches wide and three and five-eighths (35%) inches in height); white running trousers, with red and black ribbon stripes down the sides, and the track sweater, which shall be a plain cardinal red sweater with the track H on the breast. The track H shall be five and a half (5½) inches in width by six and a half (6½) inches in height, and shall be a block bar letter.

FIFTH. The gymnasium emblem shall be awarded by the captain, manager and chairman of the gymnasium department, who shall determine the number of men to receive these emblems. The gymnasium uniform shall consist of a red sleeveless jersey, black tights, black leotod and black gym, shoes. The emblem on the jersey shall be a monogram, consisting of a black H (4<sup>1</sup>/<sub>2</sub>) inches in height and 41/2 inches wide), a black C (31/4 inches in height and 21/4 inches wide), and a black G (of the same dimensions as the C). The C shall be placed upon the upper right hand section of the H and the G upon the lower left hand section. The design shall conform to that of previous years. The gym. sweater shall be black throughout. The emblem shall conform with the monogram of the gym, jersey. The letters shall be scarlet and of the same dimensions as those on the jersey. The gymnasium H shall be awarded to not more than two (2) men. The H shall be scarlet on a black sweater and

shall be of the same design and dimensions ( $4\frac{1}{2}$  inches high by  $4\frac{1}{2}$  inches wide) as the H in the monogram on the gymnasium sweater.

SIXTH. The scrub foot ball sweater shall be awarded at the end of each foot ball season to those men who, in the opinion of the Varsity captain, manager and chairman of the foot ball department, have done the best work throughout the season. The number of sweaters shall not exceed eleven.

The sweater shall be of a black body of striped alternate scarlet and black neck and wristlets. The stripes shall be one-half (½) inch in width and the wristlets four (4) inches in width. The monogram shall consist of a scarlet H seven (7) inches in height by six (6) inches in width. A scarlet Arabic numeral "2" two (2) inches by one and one-half (1½) inches and a scarlet Roman numeral eleven (XI) of the same relative dimensions. The Arabic numeral "two" shall be placed within the H above the cross-bar and the Roman numeral "eleven" below the cross-bar.

SEVENTH. The managers of the various teams may wear the sweaters and jerseys of their respective teams without the emblems.

Eighth. No person shall be entitled to wear any of the emblems, uniforms, or parts of uniforms, above mentioned, until that person shall have been authorized to do so by the committees having charge of the awarding of the same.

NINTH. Class Colors.—Numerals on class sweaters are awarded to not more than eleven men on any class foot ball or cricket team as selected by the captain, manager and chairman of the respective departments; to a man winning one first or two seconds in the Sophomore-Freshman sports, or five (5) points in the spring track meet, or to the winner of the tennis tournament in singles.



# —SEASOH—

### Results

Haverford	0	Dickinson
Haverford	5	Lehigh University
Haverford	12	Ursinus
Haverford	0	Cornell University 57
	II	Franklin and Marshall 18
Haverford	6	Johns Hopkins University 23
Haverford	29	Jefferson Medical College
		Rutgers
Haverford	28	Trinity 21
Total	119	Total134

## Statistics of Foot Ball Team, 1905

Name.	Position.	Age.	Height. Weight.
A. T. Lowry, '06,	Captain and Full	Back.205	ft. 9 in179
T. K. Brown, Jr	., '06, Center	20 5	ft. 11 in165
E. F. Jones, '07,			
J. C. BIRDSALL, 'O			
G. H. Wood, '07,			
W. H. HAINES,			
C. T. Brown, '08.			
E. C. TATNALL, 'C			
A. K. SMILEY, 'O			
D. J. Reid, '06, 1			
F. M. RAMSEY, '			
G. S. BARD, '09, I	Half Back	175	it. $6\frac{1}{2}$ in160



HAVERFORD COLLEGE FOOT BALL TEAM, 1905-6.

Photo by Gilbert & Bacon.



## Award of Foot Ball Emblems, 1905-06

'VARSITY H.
A. T. Lowry, '06
T. K. Brown, '06
D. J. Reid, '06
A. K. Smiley, '06
E. F. Jones, '07
J. C. BIRDSALL, '07
E. C. TATNALL, '07
G. H. Wood, '07
W. H. HAINES, '07
C. Brown, '08
G. BARD, '09
W. Ramsey, '09

SCRUB H.

BAINBRIDGE, '06

BURTT, '08

EMLEN, '08

KURTZ, '08

SPAETH, '09

SHARPLESS, '09

DODGE, '09

THOMPSON, '09

WARNOCK, '09

MYERS, '09

GoalJ. D. PHILIPS.
Right Full BackA. T. Lowry.
Left Full Back
Right Half Back C. K. Drinker.
Left Half Back W. R. Rossmaessler.
Center Half Back
Outside Right Forward
Inside Right Forward H. W. Doughten.
Center ForwardP. W. Brown.
Inside LeftG. G. SPAETH
Outside Left
Subs. $W. B. WINDLE,$ F. D. GODLEY.
F. D. Godley,

## Association Foot Ball

### Schedule and Results

### "Soccer"

Haverford	2	Belmont 3
Haverford	I	P. R. R 5
Haverford	3	Philadelphia C. C 2
Haverford		Merion C. CForfeit
Haverford		Mt. Washington C. C. BaltimoreForfeit
Haverford	3	Germantown C. C 1
Haverford	I	Merion C. C 2
Haverford		Philadelphia C. C Forfeited
Haverford	2	U. of P
Haverford	I	Harvard o
Haverford	I	Columbia I
Haverford		Cornell



HAVERFORD COLLEGE ASSOCIATION FOOT BALL TEAM, 1905-6. INTERCOLLEGIATE CHAMPIONS.



### Association Foot Ball

### Haverford vs. Univ. Pennsylvania

HAVERFOR	D. Positions.	PENN.
Philips	Goal	Kane
C. Brown.	Right full-back	Hochin
Lowry	Left full-back	Keating
Pleasants	Center half-back	H. Morris
Godley	Left half-back	Ewing
Shortlidge.	Right half-back	Schopback
Drinker	Center forward	Widdows
P. Brown.	Inside left	Dewees
Reid	Outside left	Pepper
Spaeth	Inside right	Harris
Young	Outside right	Smith
	e—Bishop. Linesmen—A. Montgomery	

Gummere. Time of halves—35 minutes.

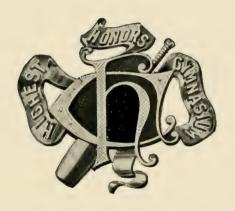
Haverford, 2; University of Pennsylvania, 1.

## Association Foot Ball

### Haverford vs. Harvard

Haverford.	Positions.	HARVARD.
Philips	Goal	Parker
Lowry	Right full-back .	McLaurin
C. Brown	Left full-back	Kidde <b>r</b>
Drinker	Right half-back	Bird
Pleasants	Center half-back	Squires
Godley	Left half-back.	Thackeray
Reid	Outside right .	
P. W. Brown	Inside right	Gordon
Rossmaessler	Center forward	Osborn
Spaeth	Inside left	A. W. Reggio
Young	Outside left	A. N. Reggio

Haverford, 1; Harvard, o.







### Haverford College Gymnasium Team, 1905-06

T. K. Brown, Jr., 'o6-Captain

W. Carson, '06

R. L. CARY, '06

R. J. Shortlidge, '06

J. A. STRATTON, '06

F. Baily, '08

C. T. Brown, '08

H. Burtt, '08

J. Bushnell, 3D, '08

E. A. EDWARDS, '08

С. F. Scott, '08

W. H. SHOEMAKER, '08

R. H. Мотт, '09

F. G. SHELDON, '06-Manager

# Quadrangular Exhibition

### PART I.

Haverford College Mandolin Club.

	9
I	Parallel Bars.
	W. W. Hay, E. W. Mecabe, H. L. DowdPrinceton
	S. Melitzer, R. Schoonmaker, M. M. Thompson,
	H. G. Guiteras, G. L. FleissnerColumbia
	E. E. Krause, T. Akahoshi, E. Wester, E.
	BoycePennsylvania
	T. K. Brown, Jr., J. A. Stratton, C. T. Brown,
	E. A. EdwardsHAVERFORD
2	CLUB SWINGING.
	C. Stewart Columbia
	E. Ritchie
	R. J. Shortlidge, C. F. ScottHAVERFORD
	J. N. SayrePrinceton
3	Side Horse.
	E. E. Krause, E. WesterPennsylvania
	W. Carson, R. L. Cary, H. BurttHAVERFORD
	E. W. Mecabe, H. L. DowdPrinceton
	E. D. Boyde, R. SchoonmakerColumbia
4	FENCING EXHIBITION.
	F. H. Scott, L. FleisherPennsylvania
5	FLYING RINGS.
J	J. A. Stratton, E. A. Edwards, F. C. Bailey,
	R. H. Mott
	A. N. Hoagland, E. W. Mecabe, H. L.
	Dowd
	G. L. Fleissner, P. L. McCullockColumbia
	E. E. Krause, F. BradfordPennsylvania

### PART II.

### Haverford College Glee Club.

6	FLYING DOUBLE TRAPEZE.  A. N. Hoagland, J. R. Munn
7	HORIZONTAL BAR.  E. W. Mecabe, H. L. Dowd
8	TORCH SWINGING. R. E. Blakeslee
9	Tumbling. S. Melitzer

# Gymnastic Contest

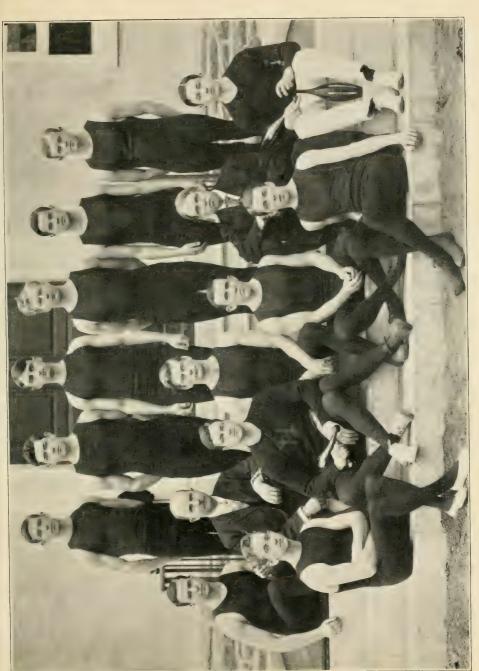
### Haverford vs. Rutgers

### March 2, 1906

### Results:

- HORIZONTAL BAR—First, J. Bushnell, 3d, Haverford; second, T. K. Brown, Jr., Haverford.
- Club Swinging—First, Thompson, Rutgers; second, Scott, Haverford.
- Parallel Bars—First, C. Brown, Haverford; second, Edwards, Haverford.
- FLYING RINGS—First, Devan, Rutgers; second, Edwards, Haverford.
- Side Horse—First, Carson, Haverford; second, Cary, Haverford.
- Tumbling—First, J. Bushnell, 3d, Haverford; second, Shoemaker, Haverford.

Score—Haverford, 38; Rutgers, 10.





### Haverford vs. Lehigh University

### March 17, 1906

- HORIZONTAL BAR—Tied for first place, S. W. Brown, Lehigh, and Bushnell, Haverford.
- FLYING RINGS—First, T. D. Scott, Lehigh; second, E. A. Edwards, Haverford.
- Side Horse-First, Carson, Haverford; second, Stouffer, Lehigh.
- Parallels—First, S. W. Brown, Lehigh; second, C. T. Brown, Haverford.
- Club Swinging—First, Shortlidge, Haverford; second, Frankenfield, Lehigh.
- Tumbling—First, Bushnell, Haverford; second, S. W. Brown, Lehigh.

Score-Haverford, 25; Lehigh, 23.



# Gymnasium Records

Running High JumpE. B. Conklin, '99 5 ft. 91/8 in.
Spring Board JumpW. B. Rodney, '97:7 ft. 2 in.
Horizontal Bar JumpF. B. Jacobs, '978 ft. 3 in.
Fence VaultA. R. Yearsley, 19016 ft. 6 in
High KickJ. W. Reeder, 19029 ft. 6 in.
Putting Shot
R. Hop, Step and Jump. J. W. Reeder, 190237 ft. 9 in.
Standing Broad JumpW. V. Dennis, 190210 ft. 1/2 in.
Standing High JumpW. V. Dennis, 19024 ft. 6 in.
Chest Pull-upF. N. Vail, '89 37
Chest DipF. N. Vail, '89
High DiveE. B. Conklin, '99 5 ft. 91/8 in.
H. H. Jenks, 1900 5 ft. 5 in.





# Annual Interscholastic Gymnastic and Athletic Meeting

The fifth annual Interscholastic Indoor Athletic and Gymnastic Meeting was held in the Haverford College Gymnasium on the evening of February 23d. There were eighty-eight entries, representing fourteen schools in Philadelphia and its vicinity.

### Summary:

- 220-YARD PURSUIT RACE—Won by French, Haverford; second, Johnson, Haverford.
- Side Horse—Won by Annin, Lawrenceville; second, Whitby, Lawrenceville; third, Souder, Episcopal.
- FLYING RINGS—Won by Baker, Haverford; second, Donaghy, Episcopal; third, Pearsall, Yeates.
- HIGH JUMP—Won by Ingersoll, Lawrenceville; second, Van Dyke, Lawrenceville; third, Eich, Blight.
- Parallel Bars—Won by Fennessey, Lawrenceville; second. Souder, Episcopal; third, Fritz, Haverford.
- Club Swinging—Won by Pearsall, Yeates; second, Williams, Yeates; third, McCarthy, Lawrenceville.
- HORIZONTAL BAR—Won by Baker, Haverford; second, Graham, Episcopal; third, Winter, Lawrenceville.
- Tumbling—Won by Meade, Episcopal; second, Stouffer, Episcopal; third, Annin, Lawrenceville.
- 20-YARD DASH—Won by Hess, Friends' Central; second, Smith, De Lancey; third, Langsdorf, De Lancey.

The officials of the meet were as follows: Chairman, Dr. J. A. Babbitt; judges of gymnasium events, Dr. Chadwick, Messrs. Jenks, Bushnell and Ewing; judges of the athletic events, Messrs. Cary, Thorn, Hopkins and Phillips; executive officers, F. G. Sheldon and Walter Carson; marshals, S. G. Nauman, R. J. Shortlidge, A. K. Smiley, H. W. Doughton, Jr., F. D. Godley, W. R. Rossmaessler, M. H. March, C. K. Drinker; clerk of the course, H. Pleasants, Jr.; starter, G. Turner, of Pennsylvania; announcer, R. Scott.

# Sophomore-Freshman Athletic Contest

### October 16, 1905

These sports were won by the Sophomore Class, with score of  $44^{1/2}$  to  $35^{1/2}$ .

- 100-Yard Dash—Won by C. Brown, '08; second, Shoemaker. '08; third, Myers, '09. Time, 11 1-5 seconds.
- HALF-MILE RUN—Won by Bushnell, '08; second, Hill, '08; third, Mott, '09. Time, 2 minutes 30 I-5 seconds.
- 220-Yard Dash—Won by C. Brown, '08; second, Powell, '09; third, Shoemaker, '09. Time, 26 1-5 seconds.
- High Jump—Won by Pearson, '08, and Shoemaker, '08, tied; third, Powell, '09. Height, 5 feet.
- Putting 16-Pound Shot—Won by Pearson, '08; second, Ramsey, '09; third, Edwards, '08. Distance, 30 feet 5 inches.
- 120-YARD HURDLES—Won by Bard, '09; second, Brown, '08, and Myers, '09, tied.' Time, 18 seconds.
- 440-Yard Run—Won by Warnock, '09; second, Myers, 09; third, Hill, '08. Time, 58 2-5 seconds.
- Broad Jump—Won by Bard, '09; second, Spiers, '09; third. Collings, '08. Distance, 17 feet  $6\frac{1}{2}$  inches.
- Discus Throw—Won by Pearson, '08; second, Green, '09; third, Ramsey, '09. Distance, 82 feet 10½ inches.





# The Eighteenth Annual Inter-Class Spring Athletic Meeting

### Won by 1906

The eighteenth annual Inter-Class Spring Athletic Meeting was won by 1906. Summary:

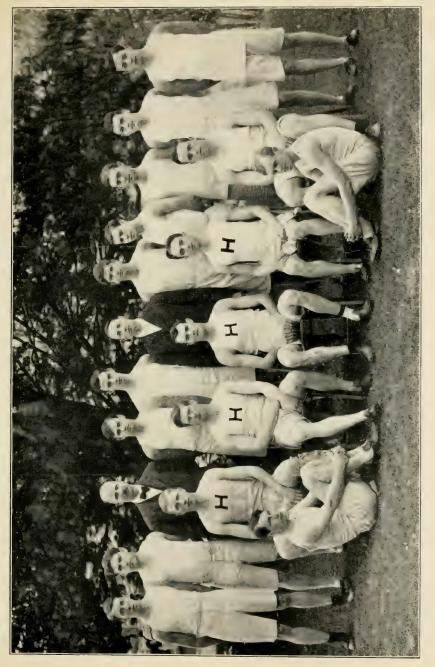
- Shot-put—First, A. T. Lowry, 'o6; second, E. F. Jones, '07; third, Birdsall, 'o7. Distance, 33 feet 11 inches.
- 220-YARD HURDLES—First, T. K. Brown, Jr., '06; second, Bushnell, '08; third, Myers, '09. Time, 29 minutes and 4 seconds.
- HALF-MILE RUN—First, E. C. Tatnall, '07; second, Reid, '06; third, R. H. Mott, '09. Time, 2 minutes 20.2 seconds.
- Two-MILE RUN—First, W. K. Miller, 'o6; second, Reid, 'o6; third, R. Scott, 'o6. Time, 11 minutes 5 seconds.
- High Jump—First, J. D. Philips, '06; second, Cary, '06; third, Bushnell, '08. Height, 5 feet 4 inches.
- HAMMER THROW—First, A. T. Lowry, '06; second, Birdsall, '07; third, Ramsey, '09. Distance, 102 feet 10 inches.
- 220-YARD DASH—First, T. K. Brown, Jr., '06, and P. W. Brown, '07; second, W. Kennard, '06, and J. P. Magill, '07.
- IOO-YARD DASH—First, Brown, '06; second, Magill, '07; third, Rossmaessler, '07.
- Discus Throw—First, Jones, '07; second, Wood, '07; third, Lowry, '06. Distance, 99 feet 5 inches.
- RELAY RACE—First, 1907; second, 1908; third, 1909.
- QUARTER-MILE RUN—First, Tunney, '06; second, Kennard, '06; third, Warnock, '08. Time, 56 seconds.
- 120-YARD HIGH HURDLES—First, Brown, '06; second, Rossmaessler, '07; third, Brown, '08. Time, 17 1-5 seconds.
- Broad Jump—First, Brown, '06; second, Jones, '07; third, Rossmaessler, '07. Distance, 20 feet 8 inches.
- MILE RUN—First, Tatnall, '07; second, Miller, '06; third, Young, '06. Time, 4 minutes 49 4-5 seconds.

### New York University-Haverford Track Meet

### May 5, 1906

- 120-YARD HURDLES—Won by T. K. Brown, Jr., Haverford; second, Sullivan, N. Y. U. Time, 16 1-5 seconds.
- HALF-MILE RUN—Won by Banderman, N. Y. U.; second, Reid, Haverford. Time, 2 minutes 4 4-5 seconds.
- IOO-YARD DASH—Won by Sullivan, N. Y. U.; second, Tonsor, N. Y. U. Time, IO 2-5 seconds.
- Two-MILE RUN—Won by Miller, Haverford; second, Smith, N. Y. U. Time not taken.
- 220-Yard Dash—Won by Sullivan, N. Y. U.; second, Tonsor, N. Y. U. Time, 23 4-5 seconds.
- ONE-MILE RUN—Won by Tatnall, Haverford; second, Hyatt, N. Y. U. Time, 4 minutes 49 3-5 seconds.
- 220-YARD HURDLES-Won by Brown, Haverford; second, Johnson, N. Y. U.
- 440-YARD DASH—Won by Craigin, N. Y. U.; second, Tonsor, N. Y. U. Time, 53 2-5 seconds.
- High Jump—Tie between J. Phillips, Haverford, and Wylie, N. Y. U. Height, 5 feet 6 inches.
- Broad Jump—Won by T. K. Brown, Jr., Haverford; second, Tippett, N. Y. U. Distance, 20 feet 7½ inches.
- Pole Vault—Won by J. Bushnell, 3d, Haverford; second, Lowry, Haverford. Height, 10 feet ½ inch.
- Putting Shot—Won by Schwartz, N. Y. U.; second, Jones, Haverford. Distance, 37 feet 3½ inches.
- HAMMER THROW—Won by Lowry, Haverford; second, Brown, N. Y. U. Distance, 113 feet 3 inches.

Score-N. Y. U., 56; Haverford, 48.



HAVERFORD COLLEGE TRACK TEAM, 1905-6.



### Wesleyan-Haverford Track Meet

### May 12, 1906

- 100-YARD DASH—Won by McCormic, Wesleyan; second, Kent, Wesleyan. Time, 10 3-5 seconds.
- HALF-MILE RUN—Won by Smith, Wesleyan; second, Gray, Wesleyan. Time, 2 minutes 14 seconds.
- 120-Yard Hurdles—Won by T. K. Brown, Jr., Haverford; second, J. Bushnell, Haverford. Time, 17 3-5 seconds.
- Two-MILE RUN—Won by Miller, Haverford; second, Benson, Wesleyan, Time, 10 minutes 23 seconds.
- 220-YARD DASH—Won by McCormic, Wesleyan; second, Kent, Wesleyan. Time, 24 seconds.
- One-mile Run—Won by Tatnall, Haverford; second, Gray, Wesleyan. Time, 4 minutes 44 4-5 seconds.
- 220-Yard Hurdles—Won by Kent, Wesleyan; second, T. K. Brown, Jr., Haverford. Time, 26 3-5 seconds.
- 440-YARD DASH—Won by McCormic, Wesleyan; second, Moore, Jr., Wesleyan. Time, 55 seconds.
- Pole Vault—Won by J. Bushnell, 3d, and Lowry, Haverford, tied at 9 feet 6 inches.
- Broad Jump—Won by Kent, Wesleyan; second, T. K. Brown, Jr., Haverford. Distance, 21 feet 2 inches.
- HIGH JUMP—Won by Phillips, Haverford; second, Gatch, Wesleyan. Height, 5 feet 5½ inches.
- Shot Put—Won by Dearborn, Wesleyan; second, Jones, Haverford. Distance, 39 feet 6 inches.
- Hammer Throw—Won by Jones, Haverford; second, Dearborn, Wesleyan. Distance, 119 feet 9 inches.
- Discus Throw—Won by Dearborn, Wesleyan; second, Jones, Haverford. Distance, 117 feet.

Score-Haverford, 48; Wesleyan, 64.

1905.



Event.	Made by. Time or Dist. Date.
100-Yard Dash § V	V. W. Hall, 0210 2-5 sec. 1899 V. Y. Brown, Jr., '01.10 2-5 sec. 1900
	V. W. Hall, '0223 sec1899
	V. B. Rodney, '9753½ sec1897
Half-mile RunE	. C. Tatnall, '072 m. 3 4-5 sec 1905
Mile Run	. C. Tatnall, '074 m. 43 sec 1905
Two-mile Run	V. K. Miller, '0610 m. 22 sec1906
*120-Yard HurdlesT	K. Brown, Jr., '06.161-5 sec1906
220-Yard HurdlesJ	W. Reeder, '0227 sec1902
Running Broad Jump	C. K. Brown, Jr., '06.4 ft. 25% in 1905
†Running High JumpJ	D. Philips. '06 5 ft. 8½ in 1903
Putting 16-lb. ShotV	V. W. Hall, '0237 ft. 8 in 1899
Throwing 16-lb. HammerF	I. W. Jones, '05123 ft. 6 in 1905
Throwing Discus	E. F. Jones, '07
Pole VaultJ	. Bushnell, 3d, '0010 ft. ½ in1906
* Record of 154 sec. made by	r. K. Brown, Jr., in Intercollegiate Games,

<sup>†</sup>Record of 6 ft. 1 in. made by E. B. Conklin, '99, at Princeton Handicap Games, 1899.

### Track Team, 1906

J. D. Philips, '06—Captain

T. K. Brown, Jr., '06

W. Kennard, '06

A. T. Lowry, 'o6

W. K. Miller, 'o6

D. Reid, '06

J. Tunney, '06

A. Young, '06

E. F. Jones, '07

J. P. Magill, '07

W. Rossmaessler, '07

E. C. Tatnall, '07

J. Bushnell, 3d, '08

T. Hill, '08

G. Strode, '08

C. B. Thompson, '09

A. D. Warnock, '09

### Intercollegiate Games, I. C. A. A. A. A.

### Haverford Points

- E. B. Conklin, '99—Tied fourth place, Running High Jump, 1899—½ point.
  - E. C. Tatnall, '07—Third place, Mile Run, 1904—2 points.
- T. K. Brown, Jr., '06—Fourth place, 120-yd. Hurdles, 1905—1 point.

# Haverford Bowling Organization

#### Team

W. Kennard, '06
Captain, Manager and President of the Intercollegiate
Bowling Association

T. Crowell, '06

S. B. LAUGHLIN, P.G.

W. G. LINDSAY, '06

D. H. Schweyer, '06

G. B. Comfort, '07

J. W. CROWELL, '00

### Schedule and Results

February 28—University of Pennsylvania, 3; Haverford, o.

March 9-Columbia, 1; Haverford, 2.

March 16—Columbia, 3; Haverford, o.

March 23—University of Pennsylvania, 2; Haverford, 1.

March 31-Lafayette, 2; Haverford, 1.

April 7—Lafayette, 3; Haverford, o.



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.



### The Tennis Season

The Fall Tennis Tournament was won by J. T. Fales, 'o6.

### Spring Intercollegiate Meets

### Haverford vs. Swarthmore

Singles.

Farson, Swarthmore, defeated Fales, Haverford, 6-2, 6-1. Miller, Haverford, defeated McClure, Swarthmore, 6-1, 6-1.

### Doubles.

Farson and McClure, Swarthmore, defeated Fales and Miller, Haverford, 6-4, 6-4.

### Haverford vs. Franklin and Marshall

Singles.

Miller, Haverford, defeated Lentz, Franklin and Marshall, 6-1, 6-2. Sheetz, Franklin and Marshall, defeated Fales, Haverford, —, —.

#### Doubles.

Fales and Miller, Haverford, defeated Lentz and Sheetz, Franklin and Mashall, 7-5, 6-4.

### Score of Inter-class Track Sports

1906, 69 points. 1907, 44 points. 1908, 8 points. 1909, 5 points.

### Inter-class Cricket Games

1907 vs. 1906. Won by 1907. Score: 50 to 38.

1908 vs. 1909. Won by 1908. Score: 80 to 26.

### Holders of the Walton Prize Cup

Year.	1	Vame.		Class.	Points
1901	.J. W	. Reeder		1902	23
1902	.J. W	. Reeder		1902	53½
1903	.т. к	. Brown,	Jr	1906	42
1904	.т. к	. Brown,	Jr	1906	45
1905	.т. к	. Brown,	Jr	. 1906	587/2
1906	.т. к	. Brown,	Jr	. 1906	

## The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890. for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

- I. The athletic events accepted shall be those of the annual inter-class athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. M. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)
  - 2. Points shall count as follows:

INTER-CLASS ATHLETIC MEETING—Five, three and one for first, second and third places, respectively.

SOPHOMORE-FRESHMAN SPORTS—Three, two and one for first, second and third places.

DUAL COLLEGE MEETS—Five, three and one for first, second and third places, respectively.

PENNSYLVANIA RELAY CARNIVAL—Five or three points for each member of the team winning first or second place.

PRINCETON HANDICAP MEETING—Ten, six and two for first, second and third places.

- I. C. A. A. A. MEETING—Twenty, fifteen, ten and five points for first, second, third and fourth places, respectively.
- 3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.
- 4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.
- 5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.
- 6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.





### Cricket Schedule, 1906

#### First Eleven

April 28—Frankford at Frankford.

May 5-Alumni at Haverford.

May 8-Next XV at Haverford.

May 12-Moorestown at Moorestown.

May 17-Philadelphia at Wissahickon Heights.

May 19—Germantown at Haverford.

May 23-Harvard at Haverford.

May 26-Cornell at Ithaca.

May 30-Pennsylvania at Haverford.

June 2—All-Scholastic at Haverford.

June 9-Merion at Haverford.

June 15—Alumni vs. Alumni at Haverford.

#### Second Eleven

April 28-Frankford at Haverford.

May 5-Germantown at Manheim.

May 8-First XI at Haverford.

May 12-Wissahickon at Haverford.

May 17-Haddonfield at Haverford.

May 19—Philadelphia at Haverford.

May 26—Glenside at Haverford.

June 2-Linden at Camden.

June 9-Gibbsboro at Gibbsboro

#### Third Eleven

April 27—Central High School at Haverford.

April 30-Haverford School at Haverford.

May 5-Germantown Academy at Haverford.

May 12-Friends' Select School at Haverford.

May 19—Open.

June 26-Haddonfield at Haddonfield.

June 2-Radnor High School at Haverford.

June 9-Belmont Juniors at Haverford.

## Record of Games, 1906

### First Eleven

28		96
	Frankford	99
5	Haverford	
	Alumni 1	52
8	Haverford	02
	Next XV	17
12	Haverford	31
	Moorestown	64
17	Haverford	60
	Philadelphia	65
19	Haverford	55
	Germantown	17
23	Haverford	71
	Harvard, canceled.	
	Merion C. C.	60
26	Haverford 2	83
	Cornell	26
30	Haverford 2	31
	University of Pennsylvania 2	78
2	Haverford	71
	All-Scholastic	28
9	Haverford	
	Merion	
15	Alumni	
	Alumni	
	5 8 12 17 19 23 26 30 2	Frankford       1         Alumni       1         8 Haverford       1         Next XV       1         12 Haverford       1         Moorestown       1         17 Haverford       1         Philadelphia       1         19 Haverford       1         Germantown       1         23 Haverford       1         Harvard, canceled.       1         Merion C. C.       2         26 Haverford       2         Cornell       2         30 Haverford       2         University of Pennsylvania       2         2 Haverford       1         All-Scholastic       1         9 Haverford       1         Merion       1         15 Alumni       1

### Second Eleven

April	28	Haverford Frankford	76 68
May	5	Haverford Germantown	86 84
May	8	THE TYPE	117 102
May	12	Haverford	
May	17	Haverford	
May	19	Haverford Philadelphia	75 69
May	26	Haverford Merion	145 44
Jun e	2	Haverford, no gameLinden	
Jun e	9	Haverford, no game	
A '1		Third Eleven	
April	27	Third Eleven  Haverford	49 48
April	Ť	Haverford	49 48 20 75
•	Ť	Haverford	48 20
April	30	Haverford Central H. S. Haverford, draw, 3 wickets Haverford School Haverford	48 20
April May	30 5	Haverford Central H. S. Haverford, draw, 3 wickets Haverford School Haverford Germantown Academy, no game Haverford	48 20 75 98
April May May	30 5 12	Haverford Central H. S. Haverford, draw, 3 wickets Haverford School Haverford Germantown Academy, no game Haverford Friends' Select School No game Haverford Haverford	48 20 75 98
April May May May	30 5 12	Haverford Central H. S. Haverford, draw, 3 wickets Haverford School Haverford Germantown Academy, no game Haverford Friends' Select School No game Haverford Haverford	48 20 75 98 46

## Cricket Teams, 1906

### First Eleven

### Second Eleven

DOUGHTEN, Capt. P. Brown, Capt. Pleasants Spaeth Lowry Bainbridge Gummere Philips, Godley Haines. Nicholson. Magill Brown, A. E. Kurtz Evans Wright Scott Edwards Brown, C. Drinker Clement Sharpless Spaeth Myers Subs. Gummere

### Third Eleven

Drinker, Capt.
Windle
Baily
Thomas
Strode
Morton
Brey
Lewis
Spaeth
Taylor
Pennypacker
Stokes

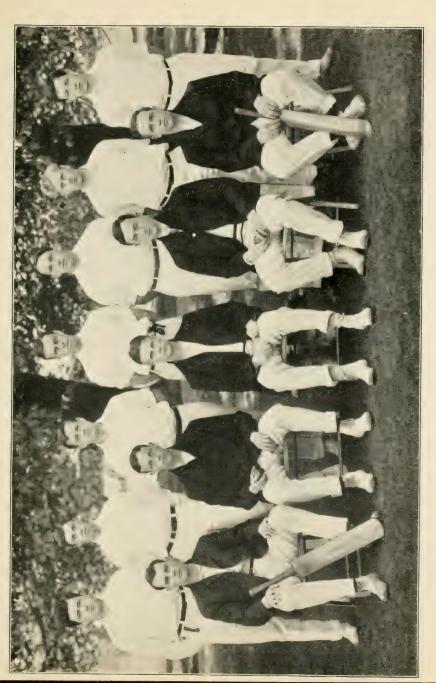
### **Ground Committee**

J. D. Philips, 'o6

H. W. Doughten, '06

F. D. Godley, '07

H. Pleasants, Jr., '06 C. K. Drinker, '08



HAVERFORD COLLEGE CRICKET TEAM, 1905-6.



## Intercollegiate Series

### Haverford vs. Cornell

#### Haverford

J. P. Magill, stumped, b. McPherson I A. T. Lowry, c. and b. Gregson I E. A. Edwards, run out H. W. Doughten, Jr., b. Gregson 5 H. Evans, b. Reece I H. Pleasants, Jr., b. Gregson 3 C. Brown, c. Manghan, b. Reece I J. D. Philips, not out I B. Clement, not out I A. E. Brown, did not bat.  Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants I McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Manghan, b. Pleasants Wilson, l. b. w., Clement Hurley, not out		
A. T. Lowry, c. and b. Gregson  E. A. Edwards, run out  H. W. Doughten, Jr., b. Gregson  H. Evans, b. Reece  H. Pleasants, Jr., b. Gregson  C. Brown, c. Manghan, b. Reece  J. D. Philips, not out  B. Clement, not out  A. E. Brown, did not bat.  Extras  Cornell University  Gregson, c. Magill, b. Pleasants  McPherson, c. A. Brown, b. Godley  Adendorf, b. Pleasants  Reece, b. Pleasants  Chryssides, b. Pleasants  Flint, b. Clement  Lex, c. Lowry, b. Pleasants  Manghan, b. Pleasants  Manghan, b. Pleasants  Wilson, l. b. w., Clement  Hurley, not out  Extras		80
E. A. Edwards, run out H. W. Doughten, Jr., b. Gregson 5 H. Evans, b. Reece 1 H. Pleasants, Jr., b. Gregson 3 C. Brown, c. Manghan, b. Reece 1 J. D. Philips, not out 1 B. Clement, not out 1 A. E. Brown, did not bat.  Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants 1 McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants  Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras		12
H. W. Doughten, Jr., b. Gregson 5 H. Evans, b. Reece 1 H. Pleasants, Jr., b. Gregson 3 C. Brown, c. Manghan, b. Reece 1 J. D. Philips, not out 1 B. Clement, not out 1 A. E. Brown, did not bat.  Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants 1 McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras		15
H. Evans, b. Reece I H. Pleasants, Jr., b. Gregson 3 C. Brown, c. Manghan, b. Reece I J. D. Philips, not out I B. Clement, not out I A. E. Brown, did not bat.  Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants I McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	E. A. Edwards, run out	7
H. Pleasants, Jr., b. Gregson  C. Brown, c. Manghan, b. Reece  J. D. Philips, not out  B. Clement, not out  A. E. Brown, did not bat.  Extras  Cornell University  Gregson, c. Magill, b. Pleasants  McPherson, c. A. Brown, b. Godley  Adendorf, b. Pleasants  Reece, b. Pleasants  Chryssides, b. Pleasants  Flint, b. Clement  Lex, c. Lowry, b. Pleasants  Manghan, b. Pleasants  Carpenter, b. Pleasants  Wilson, l. b. w., Clement  Hurley, not out  Extras	H. W. Doughten, Jr., b. Gregson	56
C. Brown, c. Manghan, b. Reece I J. D. Philips, not out I B. Clement, not out I A. E. Brown, did not bat.  Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants I McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	H. Evans, b. Reece	17
J. D. Philips, not out B. Clement, not out A. E. Brown, did not bat.  Extras  Cornell University  Gregson, c. Magill, b. Pleasants McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants  Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	H. Pleasants, Jr., b. Gregson	32
B. Clement, not out A. E. Brown, did not bat.  Extras  Cornell University  Gregson, c. Magill, b. Pleasants  McPherson, c. A. Brown, b. Godley  Adendorf, b. Pleasants  Reece, b. Pleasants  Chryssides, b. Pleasants  Flint, b. Clement  Lex, c. Lowry, b. Pleasants  Manghan, b. Pleasants  Carpenter, b. Pleasants  Wilson, l. b. w., Clement  Hurley, not out  Extras	C. Brown, c. Manghan, b. Reece	13
A. E. Brown, did not bat.  Extras	J. D. Philips, not out	14
Extras 2  Total 28  Cornell University  Gregson, c. Magill, b. Pleasants 1  McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	B. Clement, not out	12
Cornell University  Gregson, c. Magill, b. Pleasants I McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	A. E. Brown, did not bat.	
Cornell University  Gregson, c. Magill, b. Pleasants	Extras	25
Gregson, c. Magill, b. Pleasants  McPherson, c. A. Brown, b. Godley  Adendorf, b. Pleasants  Reece, b. Pleasants  Chryssides, b. Pleasants  Flint, b. Clement  Lex, c. Lowry, b. Pleasants  Manghan, b. Pleasants  Carpenter, b. Pleasants  Wilson, l. b. w., Clement  Hurley, not out  Extras	Total	283
McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	Cornell University	
McPherson, c. A. Brown, b. Godley Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	Gregson, c. Magill, b. Pleasants	11
Adendorf, b. Pleasants Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras		3
Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras		
Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	Adendorf, b. Pleasants	- 3
Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras		3
Lex, c. Lowry, b. Pleasants  Manghan, b. Pleasants  Carpenter, b. Pleasants  Wilson, l. b. w., Clement  Hurley, not out  Extras	Reece, b. Pleasants	
Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	Reece, b. Pleasants	0
Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out Extras	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement	0
Wilson, l. b. w., Clement  Hurley, not out  Extras	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants	5
Hurley, not out  Extras	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants	5 0
Extras	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants	5 0
TD - 1	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement	5 0 0 0
	Reece, b. Pleasants Chryssides, b. Pleasants Flint, b. Clement Lex, c. Lowry, b. Pleasants Manghan, b. Pleasants Carpenter, b. Pleasants Wilson, l. b. w., Clement Hurley, not out	5 0 0 2 0

### Haverford vs. University of Pennsylvania

### Pennsylvania

A. M. Graham, c. Clements, b. Godley H. H. Morris, c. Lowry, b. Godley W. S. Evans, run out F. W. Balser, c. Clement, b. Godley W. F. Keenan, Jr., c. Edwards, b. Godley A. N. Goodfellow, c. Doughten, b. Godley N. S. Hales, c. Philips, b. Godley D. Graham, c. Philips, b. Godley L. Lee, c. Magill, b. Godley R. Lee, c. Doughten, b. Godley B. Mann, not out Extras	24 22 0 97 39 1 5 32 45 9 0 4
Total	278
Haverford	
F. D. Godley, b. Keenan	IO
J. P. Magill, c. and b. D. Graham	
A (T) T 3.5 1 1 TZ	13
A. T. Lowry, c. Morris, b. Keenan	13 47
E. A. Edwards, c. R. Lee, b. Keenan	_
	47
E. A. Edwards, c. R. Lee, b. Keenan	47 9
E. A. Edwards, c. R. Lee, b. Keenan	47 9 76
E. A. Edwards, c. R. Lee, b. Keenan	47 9 76 6
E. A. Edwards, c. R. Lee, b. Keenan H. W. Doughten, Jr., c. Balser, b. Goodfellow H. Evans, b. Keenan H. Pleasants, Jr., b. Evans J. D. Philips, b. Keenan C. T. Brown, c. Goodfellow, b. Graham	47 9 76 6 5
E. A. Edwards, c. R. Lee, b. Keenan H. W. Doughten, Jr., c. Balser, b. Goodfellow H. Evans, b. Keenan H. Pleasants, Jr., b. Evans J. D. Philips, b. Keenan C. T. Brown, c. Goodfellow, b. Graham J. B. Clement, Jr., not out	47 9 76 6 5 27
E. A. Edwards, c. R. Lee, b. Keenan H. W. Doughten, Jr., c. Balser, b. Goodfellow H. Evans, b. Keenan H. Pleasants, Jr., b. Evans J. D. Philips, b. Keenan C. T. Brown, c. Goodfellow, b. Graham J. B. Clement, Jr., not out A. E. Brown, c. and b. Graham	47 9 76 6 5 27
E. A. Edwards, c. R. Lee, b. Keenan H. W. Doughten, Jr., c. Balser, b. Goodfellow H. Evans, b. Keenan H. Pleasants, Jr., b. Evans J. D. Philips, b. Keenan C. T. Brown, c. Goodfellow, b. Graham J. B. Clement, Jr., not out	47 9 76 6 5 27 13 3

### Cricket Prizes, 1905

#### First Eleven

Colors to E. M. Evans, '05; H. W. Doughten, '06; A. T. Lowry, '06.

Cope Prize Bat for best average, to R. L. Pearson, '05; average, 37.

Congdon Prize Ball for best bowling average, to H. Pleasants, Jr., 'o6; average, 7.47.

Haines Prize Fielding Belt, to A. T. Lowry, 'o6.

#### Second Eleven

Class of '85 Prize Bat, to H. Evans, '07; average, 27. Class of '85 Prize Ball, to H. H. Cookman, '05; average, 5.68. Class of '85 Prize Fielding Bat, to J. P. Magill, '07.

#### Other Prizes

Improvement Bat, to H. Evans, '07.

Shakespeare Bat, to the Freshman with the highest average in inter-class matches, E. A. Edwards, '08; average, 9.

C. R. Hinchman Prize Bat, for highest average in intercollegiate matches, to R. L. Pearson, '05; average, 113.

Christian Febiger Prize Ball, for best average in inter-collegiate matches, to F. D. Godley, '07; average, 3.1.

Prize Bat, awarded to best Freshman batsman, E. A. Edwards, '08.

Prize Belt, awarded to best Freshman bowler, H. G. Pearson. '08.

Prize Cup, to best all-around Freshman, C. T. Brown, '08. Class of '85 Prize Ball, for inter-class championship, Class of 1907.



## Cope Prize Bat

Class	Average
'78	18.83
'78	10.03
`80	I4.
`8o	17.57
'81	12.5
'83	9.6
`85	17.25
'85	23.
'87	35.66
`92	із.
`89	19.14
'96	62.2
.96	49.83
'96	41.1
'97	9.85
1900	26.
1900	37.
1904	35.29
1904	50.56
1904	31.29
1905	37-
	Class '78. '78. '80. '80. '80. '81. '83. '81. '85. '85. '85. '88. '92. '92. '92. '96. '96. '96. '96. '96. '96. '96. '96

## Congdon Prize Ball

Year Name	Class	Average
1877—J. M. W. THOMAS	'78	1.11
1878—E. T. COMFORT	'78	6.47
1879—W. C. LOWRY	'79	5.81
1880—B. V. THOMAS	'83	5.78
1881—W. L. BAILY	`83	5.31
1882—A. C. Craig	'84	4.30
1883—W. L. BAILY	'83	8.00
1885—W. F. HILLES	'85	4.50
1886—A. C. GARRETT	'87	8.25
1887—J. W. Sharp, Jr	'88	7.86
1888—H. P. BAILY	'90	5.47
1889—H. P. BAILY	'90	5.86
1890—H. P. BAILY	'90	6.50
1891—D. H. Blair	'91	17.50
1892—John Roberts	'93	7.33
1893—John Roberts	'93	7.90
1894—A. P. Morris	'95	5.97
1895—A. P. Morris	'95	6.46
1896—J. A. Lester	'96	6.19
1897—R. S. Wendell	1900	8.25
1898—L. W. DEMOTTE	1901	5.22
1899—W. S. HINCHMAN	1900	9.40
1900—L. W. DEMOTTE	1901	6.00
1901—L. W. DEМотте	1901	8.13
1902—N. А. Scott	1902	10.92
1903—H. Pleasants, Jr	1906	7.49
1904—F. D. Godley	1907	4.83
1905—H. Pleasants, Jr	1906	7.47

## Haines Prize Fielding Belt

Year	Name	Class	Year	Name.	Class
1876—C. S.	Crosman	. '78	1891—G. 7	Гномаѕ, зр	'91
1877—A. L.	Baily	. '78	1892—S. V	W. Morris	'94
1878—J. E.	SHEPPARD	. '79	1893—W.	W. SUPPLEE.	'95
1879—A. P.	Corbitt	. <b>`8</b> o	1894—F.	P. RISTINE	'94
1880—W. F.	PRICE	. '81	1895—J. 1	H. Scattergoo	od '96
1881—B. V.	Тномая	. '83	1896—A.	G. Scattergoo	ор '98
1882—S. B.	SHOEMAKER	. '83	1897—A.	G. Scattergoo	D '98
1883—W. L.	BAILY	. *83	1898—A.	G. Scattergoo	D '98
1884—W. S.	HILLES	. '85	1899—W.	S. HINCHMAN	v1900
1885—W. F.	Price	. `81	1900—W.	V. Dennis	1902
1886—J. W.	SHARP, JR	. '88	1901—C.	C. Morris	1904
1887—H. P.	BAILY	. '90	1902—A.	C. Wood, Jr.	1902
1888—C. H.	Burr, Jr	. '89	1903—J. J	B. Drinker	1903
1889—J. S.	STOKES	. '86	1904—H.	H. Morris	1904
1890—J. W.	Muir	. '90	1905—A.	T. LOWRY	1906



### HONOR LIST

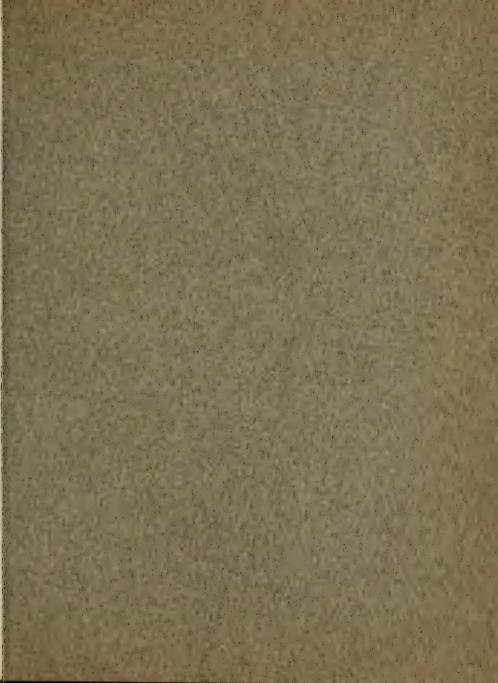
1905 SIGMUND GOTTFRIED SPAETH

1873 HENRY COPE HAINES
1874 JAMES EMLEN
1875 MILES WHITE, JR.
1876 FRANK H. TAYLOR
1877 ISAAC W. ANDERSON
1878 ALBERT L. BAILEY
1879 WILLIAM C. LOWRY
1880 JAMES LYNCH
1881 WILLIAM H. COLLINS
1882 T. CHALKLEY PALMER
1883 W. ALPHEUS WHITE
1884 CHARLES R. JACOB
1885 RUFUS M. JONES
1886 WILFRED W. WHITE

1888 Joseph W. Sharp, Jr.

1880 THOMAS F. BRANSON 1800 WILLIAM PERCY SIMPSON 1801 GEORGE THOMAS, 3D 1892 W. Nelson Loflin West 1803 JOHN ROBERTS 1804 DAVID SHEARMAN TABER, JR. 1805 FRANK HENRY CONKLIN 1806 Levi Hollingsworth Wood 1897 CHARLES HENRY HOWSON 1898 WALTER C. JANNEY 1899 JOSEPH PAUL MORRIS 1900 HORACE HOWARD JENKS 1001 WILLIAM EDWARD CADBURY 1002 Edgar Earl Trout 1903 JAMES BLAITHWAITE DRINKER 1904 CARLOS NOYES SHELDON





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Complete publications for the collegiate year, in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

Annual subscription \$1.00

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THE SECRETARY OF HAVERFORD COLLEGE,

HAVERFORD, PA

## HAVERFORD COLLEGE BULLETIN

Vol. IV.

SEVENTH MONTH, 1906.

No. 5.

## Alumni Humber

1905-1906



Published by Haverford College, Haverford, Pa. Issued Quarterly at One Dollar per Year

Entered December 10th, 1902, at Haverford, Pa., as Second Class Matter under Act of Congress of July 16th, 1894



## Proceedings

of the

Fiftieth Annual Meeting

of the

# Alumni Association

of

# Haverford College

Held in Roberts Hall, June 15, 1906

Oration by FRANCIS R. COPE, Jr., '00



THE Fiftieth Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 15, 1906. President Rufus M. Jones, '85, called the meeting to order at 5.40 p. m.

It was moved, seconded and carried that the roll call be omitted, but it was estimated that about one hundred members attended the meeting.

The reading of the minutes of the last annual meeting was also omitted, on motion duly carried, since printed copies of the proceedings had been sent to each member of the Association.

In accordance with the regular order of business, the annual report of the Executive Committee was read and accepted. The report follows:

### To the Alumni Association of Haverford College:

Your Executive Committee respectfully reports that two meetings have been held during the past year for the consideration of the regular business of the Association.

The usual midwinter dinner was held on February 16, 1906, at the Bellevue-Stratford, on which occasion about 175 persons were present. Those who spoke were: President Isaac Sharpless, Dr. Henry Churchill King, President of Oberlin College; Dr. Ernest W. Brown, L. Hollingsworth Wood, '96, and Chester J. Teller, '05. A poem written by Dr. Thomas Wistar, '58, was read and much appreciated. The price charged each person was \$3.50,

which was not sufficient to cover all the costs incident to the dinner, and the deficit, amounting to \$58.95, was paid out of the general fund in accordance with a resolution passed by the Association several years ago.

The question of holding the midwinter dinner at the college was carefully considered by your Committee, but, in view of the objections made by some Alumni who were consulted, it was deemed best to hold the dinner in Philadelphia until otherwise ordered by the Association. An expression of opinion on this question is desired for the guidance of the Executive Committee in future years.

A special committee has been appointed to have charge of the programme on Alumni Day, which hereafter will regularly be observed on Commencement Day unless otherwise ordered. An effort was made to secure by a postal card vote from those usually attending Alumni functions an opinion on the desirability of continuing the annual address on Alumni Day. The answers were so evenly divided that your Committee felt unwilling to depart from the usual custom without more definite instructions, and takes this opportunity of again bringing the question to your attention.

A voluntary committee has arranged during the past year on two occasions for an informal gathering of Alumni and Undergraduates at the College in order to bring the two bodies into closer relations. Each time an impromptu programme has furnished much amusement to those present. The moderate expenses incident to these meetings have been contributed by a few interested Alumni.

The deaths of the following matriculates of Haverford

College have been reported to the Secretary during the past year:

'39	Dr.	Richard	Randolph.
Jフ		Terestar a	realidoipii.

- '42 Robert Bowne ......March 6, 1906.
- '42 Thomas R. Rodman.....December, 1905.
- '44 General Isaac J. Wistar....September 18, 1905
- '46 Samuel Morris.
- '51 Zaccheus Test, M.D. .....November, 1905.
- '51 Philip C. Garrett......December 9, 1905.
- '52 William Estes Newhall.
- '56 Jonathan J. Comfort, M.D. March 22, 1906.
- '64 J. Preston Thomas ......November 20, 1905.
- '65 Henry W. Sharpless .....November 16, 1905.
- '70 Thomas K. Carey......May 29, 1906.
- '72 Dr. Richard H. Thomas.
- '77 George G. Mercer......May 28, 1906.
- '79 Ellis Yarnall.
- '88 John C. Corbit, Jr. ..... March 31, 1906.
- '94 Edward Jeanes Foulke.
- '95 Henry E. Thomas ......November 2, 1905.
- '96 George H. Deuell.......May 5, 1906.

### Respectfully submitted,

C. J. RHOADS, Secretary.

PHILADELPHIA, Pa., June 13, 1906.

After discussion of this report, the following resolutions were proposed and adopted:

Resolved, That it is the sense of this meeting that the midwinter dinner be held annually in Philadelphia until otherwise ordered by this Association. Resolved. That it is the judgment of this meeting that it is best to hereafter omit the annual oration on Alumni Day.

Several members expressed the hope that the Executive Committee might suggest some substitute for the annual oration,

The Committee on Membership presented the following report, which was accepted, on motion duly carried, and the gentlemen named therein were thereupon admitted to membership in the Association.

### To the Alumni Association of Haverford College:

The Committee appointed at the last annual meeting to nominate members to the Association, report that they have met and agreed upon the following nominations:

Samuel Troth, '54.
Anthony J. Morris, '62.
Ernest K. Barr, '87.
Alfred Chase, '87.
William Dean, '87.
William Estes Hacker, '87.
John H. Janney, '87.
Edmund C. Lewis, '87.
John E. Parker, '87.
Ellison R. Purdy, '87.
Frederick N. Trotter, '87.
Edwin M. Wilson, A.M., '94.
Russell E. Thomas, '01.
Lindley Smyth, Jr., '05.
John L. Scull, '05.

Ralph G. Libby, '05. Victor W. Wheeler, '05. Edwards F. Winslow, '05. Sharpless Ewing, '06.

Respectfully submitted,

HENRY COPE, '69, Chairman.

Haverford, June 15, 1906.

The following report from the Treasurer was read, accepted and ordered spread upon the minutes:

### TREASURER'S REPORT.

General Account.

### RECEIPTS.

Balance as per account of June 13, 1905	\$38.44
Subscriptions for General Purposes	826.50
Interest on Deposits	1.90
	\$866.84
PAYMENTS.	
Dinner at the College, June 18, 1905	\$350.00
Balance for Prize for Oratory for 1903	23.37
Balance for Prize for Oratory for 1905	46.00
Medal for Prize for Oratory for 1906	4.00
Printing 1,000 copies of Haverford College Bulletin No. 5,	
Alumni Number	60.00
Postage, Printing and Clerical Service	87.94
Expenses of Alumni Day, 1905	19.00
Deficit on Midwinter Dinner	58.95
Balance	217.58
	\$866.84

### Midwinter Dinner Account.

#### RECEIPTS.

176 Subscriptions at \$3.50	\$616.00 3.00 58.95
	\$677.95
PAYMENTS.	
Bellevue-Stratford Hotel	
Printing and Stationery	40.05
Incidental Expenses	28.90
	\$677.95

### Respectfully submitted,

Jonathan M. Steere, Treasurer.

Examined and found correct.

OSCAR M. CHASE,
A. G. SCATTERGOOD,
Auditing Committee.

PHILADELPHIA, PA., June 15, 1906.

The election of officers and an Executive Committee being next in order, the Nominating Committee appointed last year for that purpose submitted a report which was not acceptable to the meeting and, on motion duly seconded and carried, the members of the Nominating Committee then present were requested to withdraw and submit a new report as soon as possible. The Committee presented the following report:

To the Alumni Association of Haverford College:

The Committee appointed to nominate officers and an Executive Committee for the ensuing year, submit the following nominations:

President—Frederic H. Strawbridge, '87. Vice-Presidents—Alfred C. Garrett, '87.

George A. Barton, '82. Walter Morris Hart, '92.

Secretary—Charles J. Rhoads, '93.

Treasurer—Jonathan M. Steere, '90. Executive Committee—Rufus M. Jones, '85.

Joseph W. Sharp, Jr., '88. Franklin B. Kirkbride, '89. William W. Comfort, '94. Alfred C. Maule, '99. Henry S. Drinker, Jr., '00. Henry Pleasants, Jr., '06.

On behalf of the Committee,

WILLIAM H. FUTTRELL, '87.

HAVERFORD, June 15, 1906.

On motion duly seconded and carried, the report was accepted. The gentlemen nominated were approved by a *viva voce* vote and declared elected to the respective positions for the ensuing year or until their successors are elected.

Notice was given by Mr. Stanley R. Yarnall, '92, of a proposed amendment by adding to Article 2, Section 2, of the constitution, the following clause:

"If the report of the Nominating Committee is rejected the Association shall then proceed to elect by ballot upon nominations made in open meeting."

The proposed amendment was referred to the incoming Executive Committee for consideration and report at the next annual meeting.

A letter received from Thomas L. Baily, '40, was read, and the Secretary was directed to express to Mr. Baily the appreciation felt by the Association for his loyalty to Haverford and our regret at his inability to be present.

The following reports from committees were read, accepted on motion, and the respective committees discharged with the thanks of the Association for their services.

### REPORT OF COMMITTEE ON ALUMNI ORATORICAL PRIZE.

To the Alumni Association of Haverford College:

The Committee on the Alumni Oratorical Prize respectfully reports:

The annual contest for the Alumni Prize in Oratory took place in Roberts Hall on May 22, 1906, at 8 o'clock p. m. Of your Committee there were present Messrs. Alden Sampson, Alfred Percival Smith, C. G. Hoag and the Chairman. The Judges were Hon. Wilford Powell, Mr. David E. Williams and Mr. Alfred I. Phillips. President Sharpless and Dr. Hancock entertained the Judges and Committee at dinner.

The contest was of an excellent character, maintaining

the standard set in recent years which have shown such satisfactory results from Dr. Hancock's work in his department.

There were six orations, as follows:

- 2. The Torch Bearers....Elliott Bartram Richards, '06, Merion, Pa.
- 4. Stephen A. Douglas-Patriot,

Warren Koons Miller, '06, Allentown, Pa.

- 5. The Golden Rule.....Donald Cornog Baldwin, '07,
  Malvern, Pa.
- 6. The Strength of the Hills.....Ira Jacob Dodge, '07,
  Akron, Ohio.

The prize was awarded by the Board of Judges to Harold Evans, '07, with "honorable mention" to Warren Koons Miller, '06.

On behalf of the Committee,

PARKER S. WILLIAMS, Chairman.

### REPORT OF COMMITTEE ON ATHLETICS.

To the Alumni Association of Haverford College:

The Joint Committee on Athletics reports as follows: Another year in college athletics is past, and it is my purpose to present a brief report of the things accomplished by our College, not only in the various contests entered into by our student body, but also to outline the general impress which I believe the sons of Haverford both past and present have by their efforts and by their influence made upon the athletic world.

I mean the imprint of character. Haverford character—purity in every branch of sport! Fair play! These are the brands which we have forced red hot into the ever-thickening skins of some of our less enlightened sister institutions, and, Mr. Chairman and Brother Alumni, it is gratifying to feel and to know that our hands have been upheld by every lover of pure amateur sport and that the things we contended for in the past under the fire of ridicule and abuse, are now demanded of all colleges in the land.

I refer of course more especially to the football situation. The great game was in danger! It was a question whether the game could be played during another season by a self-respecting college and by self-respecting men. A great cry to "reform the game" was heard from every quarter, so I desire to record here the very honorable part Haverford took in the work of reformation.

A call sent out by the University of New York resulted in the "National Intercollegiate Football Conference," held in New York on December 28, 1905, and was attended by sixty-eight colleges and universities from all sections of the United States. This conference appointed a Rules Committee, composed of seven members, and Dr. James A. Babbitt, Haverford's representative, was made Secretary.

The Committee was instructed to communicate and, if

possible, amalgamate with the committee that had formerly governed football. This committee was composed of representatives of Yale, Princeton, Harvard, Pennsylvania, Cornell, Annapolis and Chicago University.

This amalgamation was finally effected and the National Committee was created, known as the American Intercollegiate Football Rules Committee, who drew up the changes in the rules which we trust will secure "(1) an open game, (2) elimination of rough and brutal playing, and (3) efficient enforcement of the rules."

This body later appointed a Central Board of Officials, consisting of five members, with Dr. Babbitt as Chairman. This sub-committee "stands ready to aid in every way in its power in the improvement of the quality of officials, and will furnish a proper and sportsmanlike interpretation of the rules whenever requested to do so."

Haverford's representative was later placed on the Middle Atlantic Sectional Committee, and is Secretary of this sectional or geographical group looking after the universities and colleges in New York, New Jersey, Pennsylvania, Delaware and Maryland.

It will thus be seen that we were highly honored in that our representative was appointed to so many and such important positions, and, gentlemen, let me tell you a better man could not have been chosen than Dr. Babbitt. He worked hard and with tireless energy, and has brought much credit upon our Alma Mater.

Last year's football season, when we consider that the Swarthmore game was not in the list of scheduled games, was quite successful. Considerable college spirit was shown in supporting the team, and Coach Thorn suc-

ceeded in turning out a very good team, who had plenty of pluck and vim, but were light in weight, which, under the old rules, was a very great handicap. Four games won and four lost was the season's record. The game with Trinity College, which was won by Haverford by the score of 28 to 22 points, was the first game played with this institution, and was an enjoyable event.

A very excellent list of games for next year has been arranged, including Trinity College and the University of New York. The coaching will be looked after again by H. N. Thorn, '04, with A. H. Hopkins, '05, and H. W. Doughten, Jr., '06, as his assistants.

We believe that these gentlemen have the qualities of mind and heart which will enable them to successfully cope with the problems to be solved in properly applying the revised rules, and we predict for them a successful season.

Association Football, or Soccer, has now become a recognized college sport, and during the past season many students indulged in the practice and enjoyment of this admirable game. Here is a game requiring, it is true, much practice and patience to acquire individual proficiency and brilliant team play, requiring also speed and agility, but which does not require severe and objectionable training. The veriest old duffer, be he lightweight or heavyweight can play and get from it fun, exercise and clear-headedness.

This year's team, under Captain Pleasants' leadership, won the Intercollegiate Cup, defeating Harvard, Cornell, the University of Pennsylvania and tying with Columbia.

It is interesting to note in an article in the February

number of the *Outing Magazine*, that Casper Whitney praises Haverford for introducing the Association game of football into American colleges.

There is satisfaction in leadership and Haverford has been able to maintain this leadership in this promising sport.

Cricket still thrives at Haverford, in season and out of season. All through the cold and dreary winter months the sound of the bat and ball makes merry music within the cosy cricket shed. For we must needs turn out cricketers "right off the bat"! A freshman is taught more cricket in six months than comes to an English school boy in six years.

Haverford is a cricket factory, supplying good material, and I believe we are actually keeping alive the game in this neighborhood by turning out good cricketers and lovers of the game who instill new and healthful red blood into the surrounding clubs.

This year's cricket teams were well up to the average teams in recent years. The college eleven was a good one. They knew how to bat and they fielded as a Haverford Eleven should field. They lost to the University of Pennsylvania by the score of 278 to 231 runs. They were beaten by an unusually strong side and, in the face of a large score, batted in a highly creditable manner. Captain Doughten's inning of 76 runs was a fine exhibition of sterling cricket.

The victory over Cornell was easily attained, and as Cornell won easily from the University of Pennsylvania, and Harvard failed to keep her schedule, a tie exists, and the Intercollegiate Championship, going over from last year, rests with Haverford.

Track and field sports, when we consider Haverford's small numbers, have taken a remarkable hold, and the usual interest was shown in them this year.

The two meets this year were with Rutgers, at New Brunswick, and with the University of New York, at Haverford. Haverford lost both of these, but would have won easily with a fast short distance runner.

Four college records were made as follows:

Two-mile run, by W. K. Miller, '06. High hurdles, by W. K. Brown, '06. Throwing the discus, by E. Jones, '07. Pole vault, by J. Bushnell, '08.

In addition to these, the high jump of 6 feet I inch at Princeton a few years ago by E. B. Conklin, '99, was this year made a college record.

The indoor work in the gymnasium under competent direction is essential to the student's proper development. It is not all hard, dull, mechanical work, for there exists ambition to make the "Gym" team, and this fires many a boy to splendid and persistent effort in the mastery of the many difficult performances.

In these performances our teams always stand well with the other colleges, and this year's meets with Lehigh and Rutgers resulted in very creditable victories for Haverford.

An interesting event in the gymnasium was the exhibition performance given by Princeton, Pennsylvania, the University of New York and Haverford.

There are many visitors to these evening events, and the popularity of the College is increased very materially by the possession of a handsome and capacious gymnasium building.

In general, athletics at Haverford are in a healthy state. The contests have been entered into with the proper spirit. The desire to win has been made subservient to the desire to play the game in a clean, fair spirit.

We believe that the blessed influence of our best beloved game of cricket is largely responsible for the high standards that exist in all of our athletics. This right, noble game still holds us as of old, and the cricketing traits of character inbred in all things Haverfordian have been an inheritance to all who enter Haverford to the everlasting good of the individual, and to the undying fame of our dear old college.

Let us then cherish this game and encourage the teams by our presence at matches and by financial aid when needed, and let us instill it into our sons, who, in untold legions, are marching toward Haverford.

On behalf of the Committee,

Jos. W. Sharp, Jr., Chairman.

Announcement was made by Mr. Edward Bettle, Jr., '63, of a gift by Mr. Samuel Troth, '54, of a photographic group taken at Haverford at the time of the semi-centennial celebration.

President Sharpless also announced a gift from a member of the Class of '56 of an old-fashioned print of a cricket match.

A vote of thanks to the donors of these gifts was unanimously passed.

As the supper hour had arrived, the meeting adjourned

to meet again at 8.15 p.m. for the transaction of the unfinished business and the delivery of the annual address.

At 8.25 p. m. the meeting reconvened, and the following report was read:

# To the Alumni Association of Haverford College:

Gentlemen: The Alumni Committee to Interest Students at Preparatory Schools in Haverford College would respectfully report:

One meeting of your Committee was held during the year, at which matters of interest to the Committee were discussed. Especial attention was called to the extraordinary part played by fraternities and other clubs in contemporary school and college life. It was shown that extensive proselyting is generally practiced by college fraternities among school boys, who thus are led to pledge themselves for purely social and fraternal reasons to a certain college or university. Whether it is to be regretted or not, Haverford College is not in a position to attract school boys in this manner on account of the somewhat peculiar conditions under which the two undergraduate fraternities receive the sanction of the Faculty.

Evidently, then, other legitimate means have to be employed to bring the college before the attention of the best boys in the neighboring schools. The undergraduates have a fairly perfected system for doing this work. Although no detailed account of their methods is called for here, yet we may say that their enthusiasm and their success are an example to the Alumni. The growth in the College during the past five years is largely

due to undergraduate enthusiasm brought to bear upon individual cases.

Doubtless this Committee of Alumni was originally appointed to indicate the solicitude of the Alumni for the growth of the College and their sympathy with legitimate efforts in this direction. In the mind of the Chairman, who has served for some time in this capacity, the charge given to your Committee is too general in character. As a Committee, as a representative body, we can do nothing. We are not in a position officially to come in contact with the preparatory schools. As a Committee, we are ineffective. As individuals we can do just what any other Alumnus can do and should do if he has the best welfare of Haverford at heart.

It has been proved again and again that the object for which this Committee was appointed can be attained only by personal work. Every Haverfordian who believes in his College can help it in just one way: by presenting its claims confidently and insistently to the parents first and also to the boy whom he has in view. Generally, both parties must be attacked, and considerable personal effort is called for. This is the best way of sustaining and increasing the influence of the College—the only method that is above criticism. It is a method which blesses equally the past and the future Haverfordian. On its part the College, or any member of your body whom you may designate, can effectually co-operate in sending literature to any person to whom attention is called.

If your Association understands now that our personal proposal to do away with this standing committee of the Alumni Association is based only upon the desire for greater efficiency and for more generally shared responsibility, we are prepared to make the suggestion. We are more inclined to close our report with the proposal of discontinuance of this Committee, because we feel that as a Committee we have accomplished little, whereas many of the younger Alumni are already personally working in co-operation with the College office in a most efficient manner.

Signed on behalf of the Committee,

WILLIAM W. COMFORT, Chairman.

HAVERFORD, June 14, 1900.

The report was accepted and the Committee discharged with the thanks of the Association for their services. The meeting concurred in the suggestion of the Committee that no new appointment be made for this work.

The President then awarded the Alumni Oratorical Prize Medal to Harold Evans, '07, the winner of this year's contest.

The speaker of the evening, Mr. Francis R. Cope, Jr., 'oo, was introduced, who delivered an able address, at the conclusion of which Mr. William M. Coates moved that the thanks of the Association be tendered to Mr. Cope, and that he be requested to furnish the Association with a copy of his address for publication. The motion was seconded and carried unanimously.

It was moved and carried that the incoming President make the appointments for the following committees, and the names which appear below were subsequently announced:

#### COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, Chairman Arthur V. Morton, '93 Walter T. Moore, '71 Joseph Paul Morris, John M. W. Thomas, '78 Edgar E. Trout, '02

Joseph Paul Morris, '99 Thomas K. Brown, Jr., '06

#### COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

William M. Longstreth, '72, Chairman Elias H. White, '85 Morris E. Leeds, '88

W. Percy Simpson, '90 Stanley R. Yarnall, '92 Walter C. Janney, '98 John K. Moorhouse, 'oo

#### COMMITTEE ON ALUMNI ORATORICAL PRIZE.

Parker S. Williams, '94, Alden Sampson, '73

Edward Y. Hartshorne, '81 Chairman Alfred Percival Smith, '84 Jesse E. Philips, Jr., '87

#### COMMITTEE ON ATHLETICS.

Joseph W. Sharp, Jr., '88, Henry Cope, '69 William C. Lowry, '79

Charles J. Rhoads, '03 Chairman John A. Lester, '96 J. Henry Scattergood, '96 Alfred M. Collins, '07 Dr. Thomas F. Branson, '89 Dr. Francis B. Jacobs, '97 Christopher C. Morris, '04

#### COMMITTEE TO AUDIT TREASURER'S ACCOUNT.

Oscar M. Chase, '94 F. Algernon Evans, '99

The President announced that a musical entertainment by Alumni and Undergraduates would follow the meeting, which then adjourned.

C. J. RHOADS, Secretary.



# THE CITIZENSHIP OF THE HAVERFORD MAN

An address delivered by

FRANCIS R. COPE, Jr., '00

Before the

# Alumni Association of Haverford College

JUNE 15, 1906



# THE CITIZENSHIP OF THE HAVERFORD MAN.

#### I. THE GOAL OF A COLLEGE.

My remarks to-night shall begin with a question which many a Haverford student has repeatedly asked himself and which many a Haverford graduate, in the light of his riper experience, has tried to answer: What is this college for? What tests its work, justifies its support? Is it the education which it imparts, the spreading of information, mere academic learning? Is it not rather a liberal training which shall broaden and expand the lives of its graduates—a training which, above all else, shall fill them with high, noble ideals? This is the real, supreme aim of any college or university—to supply its students with lofty yet practical ideals, to give them that larger vision without which this life would grow hard and cold and almost unbearable.

Such also is the test of a nation's future. Rome, with her spirit of conquering manhood, held the world at her feet; Rome, in her maturity of power, with her degraded and selfish indulgence, became the prey of nations less civilized but less debased. Greece, as the home of chaste, ideal beauty, became, and still lives to-day, the teacher of the world; Greece, without her visions, the worshiper of sensual beauty, became the warning of the world. So America, to-day, the victim of her own prosperity, apparently sunk in mammonism and self-indulgence, may,

if she heeds not, be surrendering to social revolution and decay. But America, with her ideal of a better and truer democracy, an "equality of opportunity and an aristocracy of character," as one of our great teachers has so well expressed it, her politics based on deep moral issues, can be supreme and hold the future of civilization in her hands. "Where there is no vision," as the old Hebrew proverb says, "the people perish." So, too, a university or a college, the lives of whose sons do not stand for some great ideal, will not hold its place among the highest institutions of our land.

It is just because Haverford *does* stand for this culture and these ideals that her graduates love to think of her as the "splendid little Quaker College"—little only in numbers; splendid and strong in her ideals of a liberal training, and also, let us hope, in the character of men whom she sends forth into the world each year.

# II. HAVERFORD IDEALS.

Now let me recall to your minds very briefly a few of the great ideals for which I believe Haverford has stood in the past, and which I devoutly hope she may champion even more valiantly in the future. Then we shall speak of the practical application of those ideals, rightly conceived, in the every-day life—in the citizenship—of the Haverford man.

First and foremost I would place the ideals of truth and honesty which I think this college has always represented. Not only academic truth as taught in the classroom or honesty as exemplified on the campus and

athletic field, but truth which is all-embracing, embodying a steadfast adherence to our highest conception of right and justice, and honesty which brooks no double dealing, but clings everlastingly to the same high code of honor whether in the business world, in professional life or in public office.

Closely allied to this ideal is a right conception of what it really means to be a "successful" man. I would have all Haverfordians, even more in the future than in the past, be filled with a worthy ambition to succeed in whatever they undertake, but let them do it only by cleaving to truth and honor in all things. For, after all, what is real success, either for the individual or the community, for the city or the nation?

To be successful, the individual citizen must of course be able to make enough money both to live, and live comfortably, in accordance with the reasonable standards of his general position in the community. But, granted that true success for every citizen, rich and poor, means this much, does it not also mean much more? Is not the success of the individual man in any community to be judged rather by the amount and kind of real good which he has done for his fellow-men and women than by the amount of material wealth which he has accumulated for himself or his immediate family? Some men may be able to achieve financial success in this higher and better sense by using their wealth, not as an end in itself, but as a means for promoting a higher standard of public welfare, yet even in this case they cannot, and they have no moral right to continue to spend all or even most of their time in heaping up material riches and power when

the true success of their city, state and nation is crying out for the public services which they can render. Can the majority of citizens in a democratic country like ours, claim to be leading or to have led a really successful life, when the government of their own city or state, for which they are responsible, is admittedly a failure? For what, after all, is to be our standard of local or national success and greatness? Is it to be the amount of capital and the number of business interests located in our cities, the material wealth of the nation and the bulk of its foreign trade? Is it not rather to be the physical, mental and especially the moral standard of the community, and the efficiency of its government, fostered by the civic pride and co-operation of every citizen, in promoting the public welfare?

As one of our religious teachers has so well expressed it, "the foremost citizens of America are not its most successful financiers, but its men of ideas, of spiritual leadership, of political foresight; its thinkers, its teachers, its statesmen; and American civilization is to be judged in the end, not by the produce of its fields, of its mines, or of its factories, nor by the accumulation of wealth reported by the census returns, but by the number of men and women of powerful personality, of progressive ideas, of high character, whom it produces."

It is for our college men especially, with their historic traditions, educated in an institution which is in a true sense a body politic, with their public spirit and public sentiment—it is for our college men to carry into the

<sup>&</sup>lt;sup>1</sup>Lyman Abbott in The Outlook, October 15, 1904.

larger world of business and of legislation the spirit which will subordinate personal gain and convenience to national honor.

Haverford must also teach her students the value of liberty. President Eliot, of Harvard, has told us that the "Will power of the individual is the tap root of all his growth in character and efficiency. Authority curbs the will power of the individual; liberty gives it play and exercises it. Therefore the training of the will to the wise use of liberty is the great means of developing individual strength of character and national greatness. The child or youth of weak will is the one that teachers will find most difficult to train or inspire. The nation which is impulsive, flighty, fickle and hysterical will go down before the steady, considerate, phlegmatic and resolute nation. Whatever else a school or a university may do for its pupils, if it does not implant the love of liberty and cultivate the lawful and productive use of liberty, that school or university will have failed to render its highest service to the youth under its charge. The wise use of liberty, whether by an individual or a nation, can only be learned by practice and through the passing down from generation to generation of a gradually accumulated stock of public freedom; and since the governments of the civilized world are evidently to be based on a broad suffrage, it is of the utmost importance to the peaceful progress of mankind that the love of liberty should be inculcated and the practice of individual liberty should be systematically taught in the family and in all institutions of education. It becomes teachers especially to bear always in mind, and to observe in dealing with children the principle that it is liberty alone which fits men for liberty, as Gladstone wrote in 1882 about local government for Ireland."<sup>1</sup>

What makes democracy practicable is a willingness on the part of the mass of the people to submit to self-imposed authority without waiting for the policeman to enfore it. What most endangers the success of democracy is the adoption of a false code of honor which not only tolerates but approves the pursuit of self-interest in ways which must ultimately prove destructive to the community. If our men of influence do not see this danger in time, the inevitable demands of the radical for the extension of legislative restrictions and police activity may so far restrict our personal liberty that democratic freedom will disappear before the tyranny of one class over another.

Again, there is the ideal of a broader fellowship and a deeper love of unselfish Christian service which I have always thought Haverford especially represented. At least, I think our Quaker ideals place upon us a special duty in this direction, for the Society of Friends has no creeds or written faiths to which it asks its followers to subscribe. Every man is kindled by the Light from above shining in his own conscience, a light which beckons us all to go forth among our fellow-men, tolerant if necessary of their different faiths and creeds, and ever ready to give them unselfishly of our time and service.

Here we are, gathered together in this College of Haverford to-night, a little band of privileged human beings sent to this institution through the efforts and the sacri-

<sup>&</sup>lt;sup>1</sup>See address before Harvard Summer School of 1904 on "Education for Efficiency."

fice of fathers and mothers, brothers, sisters, friends. Sent here for what? Sent that we may train ourselves, under well-nigh ideal conditions, for leadership and Christian service. Let us who are college students never forget that we are indeed privileged members of the community, carrying with us rare opportunities for useful lives, weighed down with a solemn duty towards our less fortunate brothers!

Lastly, and perhaps most important of all, there are the Haverford qualities of manliness and courage. Little use is there indeed of all the noblest ideals in the world if we have not the courage to apply them in our daily tasks. May every graduate go forth from this college not only with a high regard for truth and honesty, with a just appreciation of real success and freedom, and with a great love for service, but may he carry with him into all walks of life a determination to fight for these ideals in the face of darkest temptation and misfortune and to help in the triumph of right over wrong!

## III. THE CITIZENSHIP OF THE HAVERFORD MAN.

But how can we apply these ideals to our daily life and conduct. In other words, what should the citizenship of the Haverford man represent—that high citizenship for which our country to-day is yearning? Of course I use the word "citizenship" in the broadest and truest meaning of the word. Let us get away as soon as possible from the secondary and largely erroneous idea that the terms citizenship and politics have to do only with voting and the management, or, worse still, the mismanage-

ment of political parties. Politics, as derived from the Greek  $\pi\delta\lambda\iota s$  (a city) and  $\pi\delta\lambda\iota\tau\eta s$  (citizen), has to do with everything which relates to the government of a nation, state, or city, as the case may be, and its citizens. In other words, every problem of good citizenship involves the safety, peace and prosperity of our citizens, and also the preservation and improvement of their morals. And the citizenship of the Haverford man will be good or bad just as he carries into his daily conduct—whether in his home, business or political life, matters not—those splendid ideals which this college has taught him.

There cannot be any real or proper separation of moral questions in professional and public life, any more than moral or religious questions can be divorced from private conduct and the management of the home! What we most need to-day is not so much good home-caring, but better business and civic housekeeping.

# (1) The College Man in Business.

The nation never stood in greater need of having among its leaders men of the highest ideals. We need men with these ideals in public life and we need them equally in business and in the private professions. Only the rough lines of morality can be established by statute, the overpassing of which means that the transgressor comes in jeopardy of the Constable and Sheriff. In other words, no civilized nation can depend alone, or even chiefly, upon laws or Sheriffs. If it would maintain its place, its *people* must be filled with lofty, practical

ideals and a courage and patience to fight for them to the bitter end.

It is just here that our college men—Haverford men should take the lead. They should never forget to condemn equally and unsparingly those who break the law and those who evade the law—those who commit crimes of physical violence and those who commit the more cunning and hidden crimes of greed and corporation bribery. The rich man, for instance, who evades the law not only injures the interests of the whole community, but inflames the passions of the poor man and encourages him to condone acts of violence against all interests which he assumes the rich man represents. Have we not a right to appeal to the Alumni of Haverford as well as to the alumni of every institution of learning in the land, to do their part in creating a public sentiment which shall demand of all men, and especially of men of great influence or wealth, that they set an example to their less fortunate brethren by paying scrupulous heed not only to the letter but to the spirit of the law, and by acknowledging in heartiest fashion the moral obligations which cannot be expressed by statues but which stand back of and above all laws? It is far more important that those men should conduct their affairs decently than that they should spend their fortunes in philanthropy.

Perhaps, above all others, those who make the practice of law their profession should feel this responsibility. Yet we all know that many of the most influential and highly remunerated members of the bar devote themselves to working out ingenious schemes, by which their wealthy clients, individual and corporate, can evade laws

which are made to regulate the use of great wealth in the interests of the public. Now the great lawyer who employs his learning and talent in this manner is doing all that in him lies to encourage the growth in this country of a spirit of dumb anger against all laws and of disbelief in their efficiency. Surely a college has the right to expect from her sons the highest standards of applied morality, whether their paths lead them into public life, into business or into the great professions.

Nothing illustrates more clearly the close relation between business (private) and political (public) morals than certain corporate abuses openly practiced by influential men for the sake of controlling legislation in the interests of their special business. Take, for example, the much-talked-of free pass evil.

Free railroad passes are constantly given to our public officials in spite of the law and in violation of the fundamental principles of good conduct. In many cases the acceptance of free passes is one of the first steps in the downward career of our public servants. A farmer and a lawyer once occupied the same seat in a railroad car. When the conductor came the farmer presented a ticket, the lawyer a pass. The farmer did not conceal his disgust, and the lawyer, trying to calm his indignation, remarked: "My friend, you really travel very cheaply on this road." "Well, I reckon I do," replied the farmer, "considerin' fact that I have to pay fare for both of us." Certain of our States have laws making the acceptance of free passes a misdemeanor, but generally the law is entirely ignored and even used by the railroad corporations to enforce their control over legislators. Our Councilmen, Senators and Representatives probably start out with good intentions, and it seems like a very small favor to accept a pass which carries no verbal or written conditions with it. But once the pass is taken and the law violated the legislator is in the grip of the corporation. He has broken the statute, and if he does not do as the railroads wish they threaten not only to withhold all future favors, but to publish the number of his pass. Then perhaps begins the downward course of many a public officer, which Governor Folk declares usually ends in the taking of bribe money.

We shall never get rid of the domination of public affairs by great corporations and all its consequent evils till we abolish utterly the free pass form of bribery. No legislator has a right to accept a free pass any more than to accept its equivalent in money.

Recently a certain great railroad corporation gave unexpected evidence of a desire to obey the clear mandate of our State Constitution, which it had persistently ignored for more than a quarter of a century, by announcing that after January 1, 1906, no free passes would be issued except to employees. Some of us have watched the outcome of this brave declaration with much interest. In Pennsylvania, as anticipated, the order has rightly been used for refusing passes to the overgrown hordes of grafters who have feasted so long upon the railroad company. It was evidently for the best interests of the railroad to refuse everything which the old-time politicians could offer it this year in Pennsylvania, and who knows if it was not also an excellent opportunity to punish those impudent Pittsburg men for allowing the Gould lines to

enter that city? But what has been done in Ohio? Here the situation is different, and despite the recent order, the time-honored free passes have been sent to every member of the Ohio Legislature. A press dispatch from Columbus, January 1, confirms this by stating that this same railroad corporation was the first to distribute these little tickets, "and the other lines followed suit." Of what avail, pray, are "orders" or "laws" in cases of this kind?

Do you know also that the clause in the Interstate Commerce Law which makes it a misdemeanor for any individual not an officer of a railroad company to use an interstate pass, was enacted by Congress and approved by the President as much as eighteen years ago? Do you realize, too, that this law was ignored by the President who approved it and by the Congressmen who passed it, and that subsequent Presidents and Congressmen, with rare exceptions, have likewise ignored it? The Governors of the States, most officials from many of the judges down to the lowest officer, even the higher clergy, college professors, editors, merchants, bankers, lawyers, have done the same thing, and all traveling openly from State to State, present the evidence of their misdemeanor before the eyes of the public in a way which indicates remarkable disregard for the law—disregard for that law, obedience to which we college students have been taught to believe constitutes one of the cardinal virtues and characteristics of the Anglo-Saxon race. And of course the publicthe less fortunate public who have no favors to give and therefore never receive passes in return—they pay every vear for what has been conservatively estimated to be \$50,000,000 worth of free travel on the railways of America.

Take another example showing how selfish ideals and lust for "money success" corrupt our national ideals and degrade both business men and politicians. I refer to the various forms of discriminations practiced by certain large corporations—passenger and freight "rebates" about which we now hear a great deal. Let us make no false statements or exaggerate these evils. I can claim no expert business or political knowledge and have no wish to appear "popular" by joining in the general tirade against the so-called trusts. Yet those of us who have been in the thick of the political fight in Philadelphia during the last year cannot but feel that these powerful corporate interests are perhaps more responsible for our present "machine" politicians and the accompanying lowering of our standards of public and private morals than any other single force. It is hard to understand how we can maintain our ideals of right conduct and political freedom in the face of a discrimination which enables a railway manager to absolutely determine which of the merchants, manufacturers or mine owners on his line shall prosper and which shall not; what cities shall grow, what states shall thrive, what industries shall be developed; what Councilmen and Legislators shall represent or misrepresent us; what Mayors or Governors shall rule us, and what District Attorneys shall refuse to unearth the election frauds by which our political bosses hold us in their grasp.

A year ago such statements would have been laughed at or scorned, and we should have been told either that the evils mentioned were imaginary or else impudently asked "What are you going to do about it, anyway?" To-day, so far as Philadelphia politics are concerned, that question has been in a measure answered and both public officials and citizens realize what election crimes mean and what the penalties are for committing them. To-day also our railroad men and our packing-house proprietors are learning some interesting facts which are not fictions, and the public will soon be telling them what they really intend to do about it.

In the light of many of these revelations only one conclusion as to the cause of our trouble seems possible—the business men who manage the offending corporations, the very men who, above all others, should be filled with high ideals and courage enough to apply those ideals in practice—the business men own our public servants, in their own interests and not in the people's. As these corporations have debauched their own morals and the morals of the people's servants with passes and courtesies of all kinds, so they have gained control over the great political "machines" by dishonest discriminations and by lavish contributions to campaign funds, always on condition that their interests are not to be antagonized.

The disease which we thought was confined to politicians we now see infecting business men. Until very recently, when it was said of a man, "Oh, he is nothing but a grafter!" the implication to most people was that he was in some public office of trust which he had prostituted for private gain. But that inference is no longer sure. For lo! the grafters in business begin to rival those in politics, not only in numbers but in turpitude!

These evils are now shown to be deep-rooted in human nature, and in men of all classes. The corrupt public man

is more conspicuous, but the unobtrusive man in the bank or insurance company, in railroad or dry goods house, who levies his blackmail or takes his bribes, is his true brother. The one betrays his constituents, the other his stockholders, but both are alike in being lost to decency. If there be a choice between them, of the two the respectable private grafter is the more detestable and the more dangerous, for he not only does what he can to destroy confidence in private virtue, but really fosters public corruption.

The stock remedy of the political reformer has also been seriously damaged by this discovery of private graft. "Let us apply business methods to politics," has always been his cry. But the public may now well ask, "What business methods? Those of the insurance companies, of the gas companies, of the railroad corporations?"

Knowledge of the cause of any trouble does not always point the way to a proper remedy. Yet without wishing here to enter into a discussion of public ownership, I believe that the vicious alliance between our corporate interests and political parties is a natural and legitimate result of giving to private companies franchises or rights of great values which almost inevitably create monopolies in public utilities. A certain class of powerful business men, though they may have no desire to ally themselves with a political machine, seeing what it means to be masters of the situation and to control the business of thousands or even millions of the nation, will go to any lengths when that mastership means millions of dollars for the privileged few. Then the intellectually acute—the college men often—and the morally degenerate

become political brokers for the benefit of their corporate masters. Only men satisfactory to those masters are nominated, for whom the people are asked to vote, and until recently the honest champions of civic honesty and high ideals seem almost always to have gone down to defeat before the candidates of the "politico-commercial machine."

The country may be smitten with corruption, but we certainly have enough dregs of conscience left not to defend or palliate it. Indeed, there evidently remains a heightened degree of feeling against all forms of dishonesty, public or private, as is shown by the testimony of a railroad man at one of the recent hearings of the Interstate Commerce Commission. "These things were not once thought improper," he said. "It seems they are now." Yes, if these things were innocent in origin they have certainly become evil and oppressive in practice; and if they are more widespread than most of us thought, the remedy must be equally general.

It will never do to rest satisfied with laws against those who accept bribes or rake-offs. Our only hope is in a quickened conscience and a moral tone-up all around. The poison has spread through the community up and down, and the grafting politician is only acting upon the same principle, or lack of principle, that impels men in private walks to the shameless deeds which now stand confessed by the doers themselves.

My friends, what use, I repeat, are the best laws in the world when there is no public sentiment, no spirit of civic righteousness to enforce them? What was it that impelled the great railroad corporations in Pennsylvania

to obey last January a clause in the State Constitution which for so many years they had totally disregarded, and what is it which now makes possible the re-enactment and strengthening by our Federal Congress of laws which for eighteen years have been violated by the members of that Congress? Is it not plainly the reawakening of the public conscience which begins to burn within us all and to show our best men that there must be no double dealing. no true standards of conduct or even of commercial success, one for private and the other for corporate and public life? Let this college remain true to her splendid ideals of truth and right conduct, to the ideals of plain, simple honesty; and let us, her sons, go forth ready, if need be, to suffer a smaller degree of business success and every kind of temporary misfortune and to fight to the last for the honor of our country, for Haverford and for a stainless manhood!

# (2) The College Man in Public Life.

A politician of the "grafteric" type once confided to Louis F. Post, of Chicago, his three rules for political success. "In the first place, you must keep your family in good standing in church; in the second place, you must be true to your friends, true to your ring; in the third place, you must keep out of the penitentiary; and after that you can do anything you damn please. But," he added reflectively, "you must keep out of the penitentiary."

With the advance of the era of commercialism, one often wonders if these rules for political success might not also be the rules for pretty much all ignoble successes—at the bar, in the counting room, in the pulpit, in the editorial chair, in society. The one important consideration seems always to be "the keeping out of the penitentiary." You can do anything short of that and be called an "honest, successful man."

We cry out much against corrupt division leaders and political bosses, and we willingly discharge, with exclamations of surprise and contempt the division railroad superintendent and the petty employees who are proved guilty of accepting graft and forming evil alliances. But what are the real forces back of the corrupt boss, the division superintendent and the petty grafter? What is it that stands mostly in the way of our cities becoming healthy, well governed and full of public spirit? Mr. Lincoln Steffens says "Big business," and Mr. Frederic C. Howe, a more recent student of our municipal problems, answers, "Big privilege;" but Mayor Johnson, of Cleveland, points out that they both mean the same thing—unfair advantage of some kind. Johnson is right. It is the evil influence of the owners of law-made advantages—of the mean, selfish college men who occupy high places in the business and professional world and who seem to have left all their high ideals behind them with their Alma Mater—it is these men, in their efforts to preserve, enlarge or secure new privileges, who place great funds in the hands of corrupt politicians or corrupted political parties. And some of us, too, who have preferred the easier standards of morals and success and have been too lazy to come to the rescue of the poor, unprivileged public, are quite as much to blame for this deplorable state of affairs.

All are willing to help in an effort for good government

and in an attack on the small fry; but how few are willing to look the moral and economic conditions in the face and attack the big grafter? How few of us will search behind the corrupt boss for the force that is really producing the corruption, of which the boss is only the agent? Some men also seem satisfied with putting good men in office. How slow they are to study the best way of putting bad men out of office. No lasting advance will be made until this College of Haverford unites with her sister institutions in sending forth into the business world and into public life a set of young men of the highest character, trained in the right ideals of truth, liberty and real success, and ready, above all else, to apply those ideals in their daily lives.

If there is one other thing for which a high, efficient type of public service is yearning, it is for a common-sense and fearless application of our college ideals of unselfishness and of worthy ambition. The political world to-day is crying aloud for men who will work for their State and their city unselfishly, for the sake of bettering a bad cause, for the sake of the right against the wrong-for the sheer love of a noble service, rather than for any pecuniary gain or dazzling honor. Yet ever since the wonderful victories of last November and February some of us in Philadelphia have almost sickened at the rush for the spoils of office by our own supporters. I know we must not be dreamers, must not expect to accomplish the impossible. I know also that every successful reform cause in history has counted among its most active supporters a large number of the "outs" who suddenly changed sides that they might become "ins." But, making all due allowance for legitimate ambitions and the desire to better one's self in the world, we should not be blinded to the fact that many a reform victory has been turned into a defeat because its cause fell into the clutches of selfish men, whose every action violated the spirit, if not the letter, of the principles which they claimed to espouse.

It would be an insult to this audience to point out the evils of the spoils system and the advantages of the merit system. Even the last Pennsylvania Legislature gave Philadelphia a good civil service law, and our citizens now see in practical operation that which most of them heretofore regarded only as an idea of the imagination. The evils, however, against which that law was aimed are still in the air, and the fight for unselfish public service has only begun. Many of us have argued day after day in the past few months not only with certain very clever men who have the boldness of their convictions and whose banners publicly proclaim the time worn doctrines of "fighting the devil with fire" and "anything to accomplish your ends," but also with certain of our own leaders who insist upon denouncing the spoils system and the political activity of office-holders—except, always except—as it applies to themselves and their own supporters.

Gentlemen of Haverford, this kind of a game may bring temporary success in public life, just as hidden but equally villainous corporation politics may bring temporary business prosperity. But, depend upon it, such methods will not only never achieve permanent results, but will surely degrade the nation's standards of morality and become a

blot upon the honor of her citizens. We cannot deny how many and cunning are the temptations to achieve a false success of this kind; neither can we deny that no man can serve two masters or touch pitch and not be defiled thereby. God forbid that you and I should ever hesitate to go forth into any danger simply because we fear that we may be thus defiled by the evils about us; rather let us face the darkness because we know that by fighting it—always fighting it—and remaining true to our ideals, we can turn it into light. Above all, let us remember that as college men much has been given us from which much will be required, and that a sacred duty rests upon every Alumnus here to-night to stand ever for those Quaker ideals of truth and righteous success which Haverford has taught us.

## IV. A FINAL PLEA.

In the citizenship of the Haverford man, therefore, the ethics of business and the ethics of politics must go hand in hand. There can be no logical separation of the two, no double standard of conduct. If we fail to carry out our ideals in the house and the counting-room we are false to our sacred trust as citizens of the state and nation; if we abuse or neglect our political duties we are not good merchants, neither can we be called worthy husbands, sons or brothers.

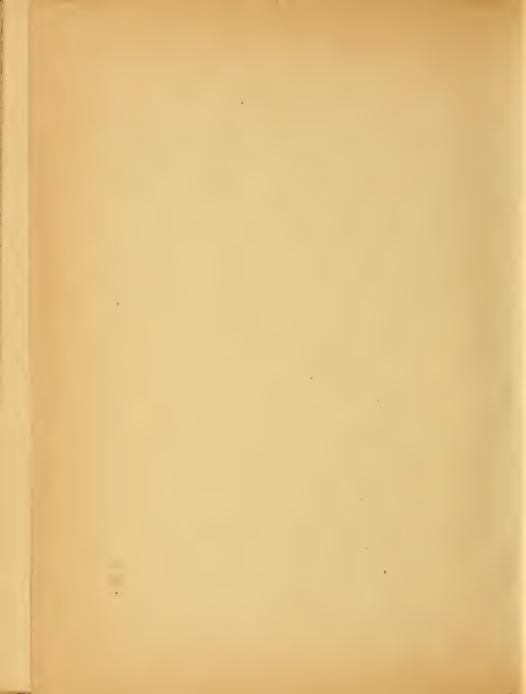
The grave dangers that confront us are plain. With corrupt business men and politicians dominating the nation it sometimes seems that free institutions must perish and democracy prove a failure. Yet we who really

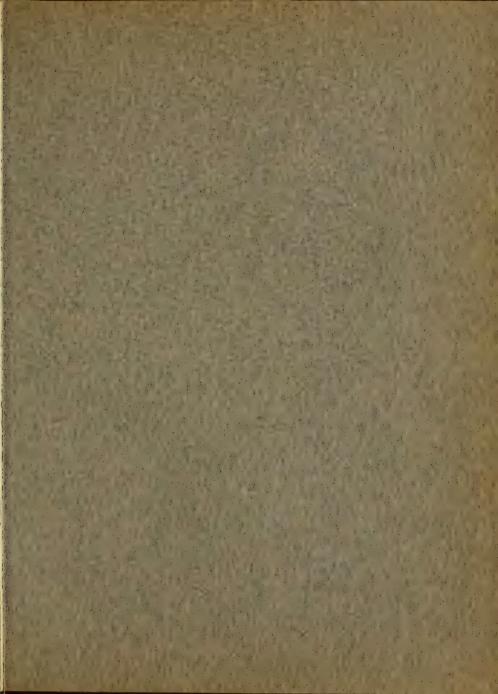
believe in democracy as the best means toward the highest ideals, protest that its ultimate failure would mean the failure of both individual and social progress itself, and that its failures thus far are because it has been neither rightly nor fully tested. Thus we still cry: "Not less democracy, but more of a better kind,"-a democracy in which all men are not created equal, but all men shall have an equal right to live, to learn, and to govern according, not to race or creed or birth, but according to their ability; in which there shall always be real leaders, great men, who, because of their commanding ability, courage and inspiration, are raised up to guide their fellows and who do so gladly and because they regard it as a sacred trust—a democracy in which all men shall continue to work for money, not as an end in itself, but as a powerful means, bringing with it great responsibility and untold opportunities for doing good, and in which true success shall come to be regarded not as greatness in the form of material wealth, but as growth in physical, mental, and, above all, in spiritual power—a democracy, finally, in which the masses of mankind, rich and poor alike, shall more and more be filled with civic pride and an unselfish love of public service and national honor.

Let us take courage, then. We are face to face with a great crisis—a crisis which is the more menacing because it concerns not the corruption of our forms of government so much as the corruption of our citizenship. But let us tackle our problem in a manly way, and we shall conquer. Above all things, let us *never* be discourged, but go forth to the work as befits college men and men of the artistocracy of character.

We shall doubtless lose many fair-weather friends; we shall have mean things said about us; probably we shall lose money or at least the opportunity of making it; and, most of all, we shall suffer from a deep sense of our own limitations. But we shall gain the true friendship of honest people in all walks of life, and have the satisfaction of knowing that our personal influence, however small, is working in harmony with the highest power for righteousness. And finally, that we may be brave in the cause in spite of everything, let us recall Browning's "Childe Roland," which has been called "a sort of algebraic formula of disembodied courage:"

"Dauntless the slug-horn to my lips I set, And blew, 'Childe Roland to the dark tower came.'"





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